



# RRB NTPC UG 2025

## CBT-1 · Reasoning · Question Paper Compilation

English

All 32 Shifts (Sets) · Reasoning Section · Official Answer Key

## About this Compilation

This booklet compiles all **32 shift papers** of the **RRB NTPC Under-Graduate 2025 CBT-1** examination (CEN 07/2025) in **English** (**Reasoning** section only), with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

### How to use

- Use the **Index** page to jump directly to any shift (clickable).
- Questions are numbered serially per shift; image-based questions appear at the end of each section.
- The correct answer for every question is highlighted in green with a tick.

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## Reasoning

## Q1 Reasoning

In a row of 22 students facing North, Sunil is 17th from the left end. If Deepak is 3rd to the right of Sunil, what is Deepak's position from the right end of the row?

- A. 3rd
- B. 2nd
- C. 4th
- D. 1st

## Q2 Reasoning

In a certain code language, 'DONE' is coded as '5432' and 'CODE' is coded as '2835'. What is the code for 'C' in the given code language?

- A. 8
- B. 5
- C. 2
- D. 3

## Q3 Reasoning

In a certain code language,  
 $A + B$  means 'A is the son of B',  
 $A - B$  means 'A is the brother of B',  
 $A \times B$  means 'A is the wife of B' and  
 $A \div B$  means 'A is the father of B'.

Based on the above, how is S related to K if ' $S - D + F \div H \times K$ '?

- A. Brother
- B. Wife's brother
- C. Father
- D. Wife's father

## Q4 Reasoning

In a row of 54 students facing the north, Gagan is 13<sup>th</sup> from the right end. If Nitin is 17<sup>th</sup> to the left of Gagan, what is Nitin's position from the left end of the line?

- A. 30th
- B. 27th
- C. 23rd
- D. 25th

## Q5 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All vehicles are machines. Some machines are tools.

Conclusions:

(I) Some vehicles are tools. (II) All tools are machines.

- A. Both conclusions (I) and (II) follow
- B. Only conclusion (I) follows
- C. Only conclusion (II) follows
- D. Neither conclusion (I) nor (II) follows

## Q6 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. BAX
- B. TTP
- C. SRO
- D. QPM

## Q7 Reasoning

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

DIP : GLS

BST : EVW3083

- A. CIG : FKJ
- B. TEL : VHP
- C. EHL : IFP
- D. HKD : KNG

### Q8 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.  
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 7, 14)  
(3, 16, 48)

- A. (8, 6, 56)
- B. (6, 7, 48)
- C. (4, 6, 20)
- D. (5, 3, 15) ✓

### Q9 Reasoning

A, B, D, J, O, T and Z are sitting around a circular table facing the center. Only two people sit between O and D when counted from the left of D. J sits third to the left of B. A sits to the immediate right of B. A sits second to the left of O. Z is an immediate neighbor of J. How many people sit between O and Z when counted from the right of O?

- A. Three
- B. Four
- C. One ✓
- D. Two

### Q10 Reasoning

In a certain code language,

$J \div Q$  means 'J is the brother of Q',  
 $J \times Q$  means 'J is the mother of Q',  
 $J - Q$  means 'J is the husband of Q' and  
 $J + Q$  means 'J is the father of Q'.

Based on the above, how is A related to F if  $A + B \div C - D \times E \div F$ ?

- A. Mother's brother
- B. Father's father ✓
- C. Mother's father
- D. Wife's father

### Q11 Reasoning

Seven people, N, V, C, Y, E, F and G, are sitting in a row, facing north. Only two people sit to the left of V. F sits fourth from the right end. Only two people sit between N and V. E is the immediate neighbour of G and V. Y does not sit to the right of C. How many people sit between Y and E?

- A. Five
- B. Four
- C. Two ✓
- D. Three

### Q12 Reasoning

What should come in place of '?' in the given series based on the English alphabetical order?

MFJ JCG GZD DWA ?

- A. ATZ
- B. AKR
- C. ASY
- D. ATX ✓

### Q13 Reasoning

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 4 6 2 9 1 4 9 7 1 7 6 5 3 6 4 1 4 3 8 4 2 2 3 9 9 7 6 (Right)  
How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square.)

- A. One
- B. None
- C. Three
- D. Two ✓

### Q14 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
GDH 66 FCG 61 EBF 56 DAE 51 ?

- A. CKT 45
- B. CAC 46
- C. CZD 46 ✓
- D. CYC 45

**Q15 Reasoning**

QX 18 is related to SS 4 in a certain way. In the same way, EL 10 is related to GG -4. To which of the following is IJ 5 related, following the same logic?

A. TR -5

B. KE -9

C. KL -11

D. HF -8

**Q19 Reasoning**

What should come in place of '?' in the given series?

67 70 ? 85 97 112

A. 76

B. 78

C. 80

D. 82

**Q16 Reasoning**

Which of the following options should come in place of the '?' in the given series based on the English alphabetical order?

R 45, A 40, J 35, S 30, ?

A. X 25

B. T 25

C. V 25

D. B 25

**Q20 Reasoning**

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) K D D U R V U D E C Q D V A D R D G D E D Z D J (Right)

How many such D's are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?  
11026

A. Two

B. Three

C. Five

D. Four

**Q17 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. EH-JB

B. LO-QJ

C. OR-TM

D. HK-MF

**Q21 Reasoning**

Each vowel in the word CURRENT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the right in the new group of letters thus formed?5289

A. E

B. G

C. H

D. F

**Q18 Reasoning**

Each of the digits in the number 52178436 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the number thus formed?

A. 10

B. 9

C. 11

D. 8

**Q22 Reasoning**

In a certain code language, 'BRAK' is coded as '4938' and 'ARCK' is coded as '2849'. What is the code for 'C' in the given code language?

A. 4

B. 8

C. 9

D. 2

**Q23 Reasoning**

Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order.  
 No box is kept above O. Only three boxes are kept between O and S. Only one box is kept between Q and M. M is kept immediately above S. Only four boxes are kept between Q and P. R is kept at some place above N.

Which box is kept second below R?

- A. S
- B. Q
- C. N
- D. O

**Q24 Reasoning**

What should come in place of '?' in the given series?

5 ? 10 19 35 60

- A. 8
- B. 7
- C. 9
- D. 6

**Q25 Reasoning**

Mr. Yorly starts from Point A and drives 16 km towards South. He then takes a right turn, drives 14 km, turns right and drives 44 km. He then takes a right turn and drives 2 km, turns right drives 15 km. He then takes a left turn drives 21 km. He takes a final right turn, drives 13 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(All turns are 90 degrees turns only unless specified.)

- A. 9 km to the West
- B. 16 km to the North
- C. 11 km to the South
- D. 10 km to the East

**Q26 Reasoning**

JDHK is related to OIMP in a certain way based on the English alphabetical order. In the same way, MGKN is related to RLPS. To which of the following is PJNQ related, following the same logic? 15738

- A. UOSV
- B. OUSV
- C. UOVS
- D. OUVS

**Q27 Reasoning**

Each of the digits in the number 1358274 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. One
- B. Zero
- C. Three
- D. Two

**Q28 Reasoning**

Each of the digits in the number 36857219 is arranged in the ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

- A. 10
- B. 11
- C. 9
- D. 8

**Q29 Reasoning**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

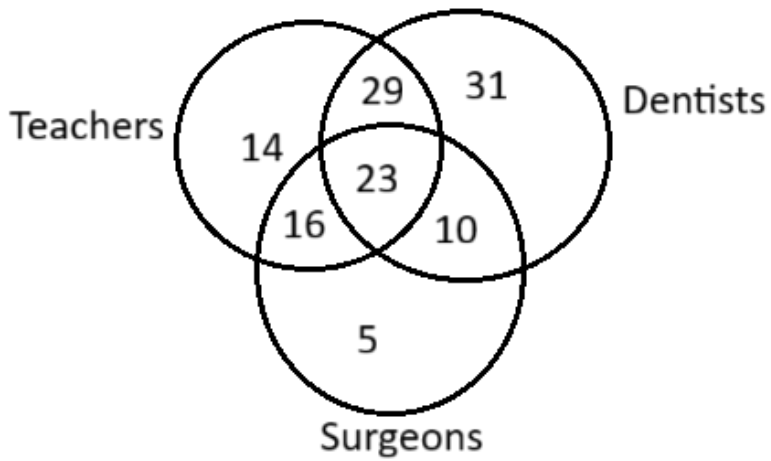
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)3071

- A. CEH
- B. PRT
- C. HJL
- D. SUW

**Q30 Reasoning**

Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)

How many such Teachers are there who are also Dentists but not Surgeons?



A. 14

B. 29



C. 5

D. 16

## Reasoning

## Q1 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. YI - BM

B. BU - EY

C. GV - JZ

D. OS - RV 

## Q2 Reasoning

Each vowel in the word CURRENT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the left in the new group of letters thus formed?

A. Q 

B. R

C. P

D. S

## Q3 Reasoning

In a certain code language, 'van elf sand' is coded as 'ld ii ne' and 'elf poem desk' is coded as 'ir le ii'. How is 'elf' coded in the given language? (All codes are two-letter codes.)

A. ii 

B. ir

C. ne

D. ld

## Q4 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept below G. Only one box is kept above B. Only one box is kept between B and A. F is kept immediately above E. D is kept at some place below C. Which box is kept at the top?

A. C 

B. D

C. B

D. A

## Q5 Reasoning

Each of the digits in the number 3516472 is arranged in the ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. One

C. Zero 

D. Three

## Q6 Reasoning

Seven people, S, T, I, C, K, E and R, are sitting in a row, facing north. Only E sits to the left of K. Only four people sit between E and T. Only C sits between I and R, and I is not an immediate neighbor of T. Who sits at the extreme right of the line?

A. E

B. S 

C. I

D. K

## Q7 Reasoning

In a certain code language,  
 $A + B$  means 'A is the son of B',  
 $A - B$  means 'A is the brother of B',  
 $A \times B$  means 'A is the wife of B' and  
 $A \div B$  means 'A is the father of B'.

Based on the above, how is S related to K if ' $S + D \div F - H \times K$ '?

A. Brother

B. Wife's brother 

C. Wife's father

D. Father

## Q8 Reasoning

What should come in place of '?' in the given series?

20 ? 38 56 80 110

A. 32

B. 24

C. 26 

D. 22

**Q9 Reasoning**

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) Z Q M H J E K D E L K Z V N E A T Q R Z U (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?  
11030

- A. Four
- B. Three
- C. Two
- D. One

**Q10 Reasoning**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept below A. Only one box is kept above E. Only one box is kept between E and B. C is kept immediately above G. D is kept at some place below F. How many boxes are kept between A and D?47

- A. 2
- B. 3
- C. 1
- D. 4

**Q11 Reasoning**

Eight people, A, B, M, N, S, T, Y and Z, are sitting in a row, facing north. S sits second to the left of Y and S sits third to the right of N. Y sits at one of the extreme ends. T sits to the immediate right of A. B sits to the immediate left of M and M sits second to the left of Z. Who sits at the extreme left end of the row?

- A. A
- B. M
- C. B
- D. S

**Q12 Reasoning**

In a certain code language,

J × Q means 'J is the sister of Q',  
J ÷ Q means 'J is the father of Q',  
J + Q means 'J is the husband of Q' and  
J - Q means 'J is the mother of Q'.

Based on the above, how is S related to W if 'S + T - U ÷ V × W × Y'?

- A. Mother's father
- B. Wife's brother
- C. Mother's brother
- D. Father's father

**Q13 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
EAW 91 XTP 98 QMI 105 JFB 112 ?

- A. CZT 119
- B. CLV 118
- C. CYU 119
- D. CXT 118

**Q14 Reasoning**

Each of the digits in the number 3147856 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- A. Two
- B. Three
- C. One
- D. None

**Q15 Reasoning**

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$215 - 147 \div 110 + 1604 \times 4 = ?$$

- A. 15984
- B. 18588
- C. 14948
- D. 19584

**Q16 Reasoning**

Each letter in the word NERVOUS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is third from the right in the new letter cluster thus formed?

- A. 4
- B. 0
- C. 1
- D. 3

**Q17 Reasoning**

Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. Only five boxes are kept above D. Only three boxes are kept between D and C. Only four boxes are kept between C and S. Only E is kept between C and B. R is kept at one of the positions above C. How many boxes are kept between Q and S? 7336

- A. One
- B. Three
- C. Two
- D. Four

**Q18 Reasoning**

In a certain code language, 'PRIME' is coded as '37862' and 'REMAP' is coded as '87423'. What is the code for 'A' in the given code language?

- A. 3
- B. 7
- C. 4
- D. 2

**Q19 Reasoning**

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

JL - MO - PR

EG - HJ - KM

- A. NF - RJ - TL
- B. CH - GK - JO
- C. MO - PR - SU
- D. DP - GS - JU

**Q20 Reasoning**

What should come in place of the question mark (?) in the given series?

26 34 45 53 64 72 ?

- A. 86
- B. 83
- C. 88
- D. 81

**Q21 Reasoning**

IP 18 is related to KL 4 in a certain way. In the same way, KL 16 is related to MH 2. To which of the following is AT 9 related, following the same logic? 9775

- A. BK -9
- B. TR -1
- C. CP -5
- D. JO -6

**Q22 Reasoning**

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.

ROSE - RSEO - OSRE

JUGS - JGSU - UGJS7968

- A. LADY - LDYA - ALYD
- B. COLD - OCLD - OLDC
- C. PING - PNGI - INPG
- D. BOND - BNOD - DNOB

**Q23 Reasoning**

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 325

19, 362

- A. 21, 440
- B. 20, 399
- C. 14, 196
- D. 22, 485

**Q24 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

NFG 49, PIK 36, RLO 25, TOS 16, ?

- A. USV 10
- B. VRV 10
- C. VRW 9
- D. USW 9

### Q25 Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. JGK

B. DAF

C. MJN

D. GDH

### Q26 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

Some papers are rains.  
All rains are trees.

#### Conclusions:

(I) Some papers are trees.  
(II) All trees are rains.

A. Only conclusion (I) follows

B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

### Q27 Reasoning

What should come in place of the question mark (?) in the given series to make it logically complete?

MU1, NQ4, PN16, SL64, ?

A. SK256

B. RJ256

C. SJ258

D. WK256

### Q28 Reasoning

Neha starts from Point A and drives 11 km towards the east. She then takes a right turn, drives 8 km, turns right and drives 14 km. She then takes a right turn and drives 12 km. She takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 2 km to the north

B. 4 km to the south

C. 1 km to the north

D. 3 km to the south

### Q29 Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: Some cups are jugs. Some jugs are vases.

Conclusion (I) : Some cups are vases

Conclusion (II) : All vases are jugs

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows

C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow

### Q30 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. FBE

B. JFI

C. XTW

D. PMO

## Reasoning

## Q1 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?  
SQU TRV USW VTX ?

A. WVX

B. WUY 

C. WXZ

D. WTX

## Q2 Reasoning

Each letter in the word LANGUID is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is fourth from the right in the new letter cluster thus formed?

A. 3

B. 7

C. 4 

D. 5

## Q3 Reasoning

If 2 is added to each even digit and 2 is subtracted from each odd digit in the number 5973642, then what will be the sum of all the even digits in the new number thus formed?

A. 16

B. 24

C. 20

D. 18 

## Q4 Reasoning

AEHB is related to FJMG in a certain way based on the English alphabetical order. In the same way, DHKE is related to IMPJ. To which of the following is GKNH related, following the same logic?  
15735

A. LPSM 

B. LPMS

C. PLSM

D. PLMS

## Q5 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. A is kept second from the bottom. Only three boxes are kept between A and G. E is kept at one of the positions below A. Only D is kept between G and F. C is kept at one of the positions above G. How many boxes are kept between B and E?

A. 2

B. 3

C. 1 

D. 4

## Q6 Reasoning

Which of the following options should come in place of the '?' in the given series based on the English alphabetical order?

G 5, M 12, S 19, Y 26, ?

A. D 33

B. A 33

C. E 33 

D. J 33

## Q7 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. OM-KI

B. RP-NL

C. EC-ZA 

D. LJ-HF

**Q8 Reasoning**

Refer to the following series and answer the question. (Counting to be done from left to right only.) (all numbers are single digit numbers only.)

(Left) 9 2 3 1 4 5 6 8 5 4 3 2 1 9 3 4 5 6 7 8 1 2 9 8 3 4 5 2 6 8 2 (Right)  
How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square.)

A. Two

B. Three

C. More than three 

D. One

**Q9 Reasoning**

Seven people, Mayank, Nidhi, Palak, Rakesh, Surya, Tina and Vivek, are sitting in a row, facing north. Only two people sit to the right of Rakesh. Nidhi sits to the immediate left of Vivek and Vivek sits third to the left of Rakesh. Palak sits third to the right of Tina, but Palak does not sit at any extreme ends. Rakesh is not an immediate neighbour of Mayank. How many people sit between Tina and Vivek?

A. None 

B. One

C. Two

D. Three

**Q10 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MCK 10, PFN 13, SIQ 16, VLT 19, ?

A. YOW 22 

B. XOY 22

C. XPW 24

D. YPV 22

**Q11 Reasoning**

P is the daughter of Q. Q is the wife of S. T is the mother of X. T is the sister of S. How is T related to P?

A. Mother

B. Sister

C. Father's sister 

D. Husband's sister

**Q12 Reasoning**

R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table.

Only two people sit between N and R when counted from the left of R. G sits third to the left of A. D sits to the immediate right of A. D sits second to the left of N. I is not an immediate neighbor of G. Who sits third to the right of E?

A. G

B. D 

C. R

D. A

**Q13 Reasoning**

If + means -, - means  $\times$ ,  $\times$  means  $\div$ , and  $\div$  means +, then what will come in place of the question mark (?) in the following equation?

$$92 - 8 \div 311 + 715 \times 11 = ?$$

A. 975

B. 982 

C. 965

D. 998

**Q14 Reasoning**

What should come in place of the '?' in the given series?

13 19 31 55 103 ?

A. 199 

B. 203

C. 190

D. 195

**Q15 Reasoning**

What should come in place of the '?' in the given series?

5 14 41 122 ? 1094

A. 365 

B. 381

C. 361

D. 368

**Q16 Reasoning**

What will come in place of the question mark (?) in the following equation if '+' and '÷' are interchanged and '-' and '×' are interchanged?

$$603 + 9 \times 18 - 6 \div 56 = ?$$

A. 15 B. 16 C. 11 D. 20 **Q17 Reasoning**

John ranked 16<sup>th</sup> from the bottom and 29<sup>th</sup> from the top in his class. How many students are there in his class?

A. 44 B. 41 C. 42 D. 43 **Q18 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

$$8 - 3 - 24$$

$$5 - 8 - 40$$

A. 2 - 9 - 15 B. 14 - 6 - 34 C. 4 - 8 - 43 D. 4 - 9 - 36 **Q19 Reasoning**

GECD is related to CAYZ in a certain way based on the English alphabetical order. In the same way, AYWX is related to WUST. To which of the following is USQR related, following the same logic? 10018

A. QNLN B. QPLR C. QOMN D. QOLN **Q20 Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. MJP B. URY C. JGM D. QNT **Q21 Reasoning**

KH 13 is related to ID 2 in a certain way. In the same way, LO 9 is related to JK -2. To which of the following is LJ 7 related, following the same logic?

A. KG -6 B. JF -4 C. JG -6 D. KF -4 **Q22 Reasoning**

In a certain code language, 'chest shirt coal' is coded as 'ym aw xu' and 'coal lake pig' is coded as 'aw yh ky'. How is 'coal' coded in the given language?

A. yh B. xu C. aw D. ym **Q23 Reasoning**

Uvx ranked 14<sup>th</sup> from the top and 79<sup>th</sup> from the bottom in his class. How many students are there in his class?

A. 91 B. 93 C. 90 D. 92

#### Q24 Reasoning

In a certain code language,

- A + B means 'A is the son of B',
- A - B means 'A is the brother of B',
- A x B means 'A is the wife of B' and
- A ÷ B means 'A is the father of B'.

Based on the above, how is S related to K if 'S + D ÷ F x H - K'?

- A. Wife's father
- B. Wife's brother
- C. Brother's wife's brother ✓
- D. Brother's wife's father

#### Q25 Reasoning

Amit starts from Point Y and drives 14 km towards South. He then turns left and drives 35 km, takes a left and drives 68 km. He then takes a left turn and drives 41 km. He takes a left turn, drives 54 km, turns right and drives 53 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- A. 56 km towards west
- B. 57 km towards east
- C. 61 km towards west
- D. 59 km towards east ✓

#### Q26 Reasoning

Each vowel in the word TRAJECTORIES is changed to the second letter immediately following it in the English alphabetical order, and each consonant is changed to the second letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?869

- A. Three
- B. One
- C. Two
- D. Four ✓

#### Q27 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. RO-VT
- B. NK-RO ✓
- C. PM-TR
- D. LI-PN

#### Q28 Reasoning

In a certain code language, 'NORM' is coded as '7341' and 'ROME' is coded as '3748'. What is the code for 'E' in the given code language?

- A. 3
- B. 8 ✓
- C. 7
- D. 4

#### Q29 Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All cakes are biscuits. All pizzas are biscuits.

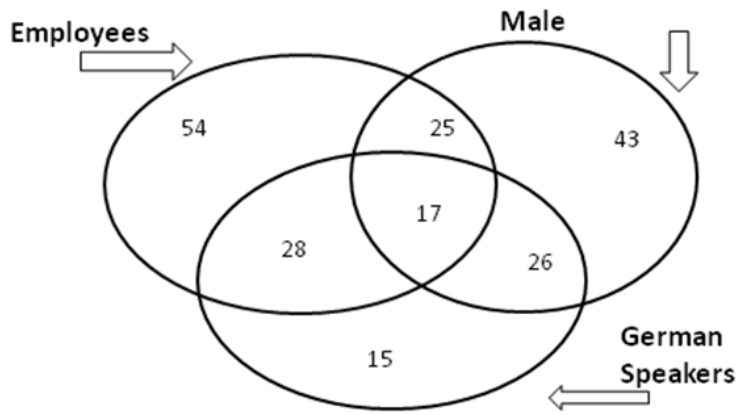
Conclusion (I) : Some cakes are pizzas

Conclusion (II) : Some biscuits are pizzas

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows
- C. Both conclusions (I) and (II) follow
- D. Only conclusion (II) follows ✓

**Q30 Reasoning**

Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons working in an organization. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)



How many such employees are there who also speak German?

A. 45



B. 28

C. 43

D. 41

## Reasoning

## Q1 Reasoning

In a certain code language, 'PINS' is coded as '3247' and 'HIPS' is coded as '4627'. What is the code for 'H' in the given code language?

A. 4

B. 6 

C. 2

D. 7

## Q2 Reasoning

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 47321568, which of the following digits will be first from the left in the new number thus formed?

A. 3 

B. 7

C. 8

D. 5

## Q3 Reasoning

What should come in place of the '?' in the given series?

28 12 10 13 24 ?

A. 58 

B. 65

C. 60

D. 70

## Q4 Reasoning

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 9 7 6 4 3 5 7 6 4 6 7 6 9 8 7 7 6 6 7 6 5 7 6 8 7 5 6 (Right)

How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an even digit? (NOTE: 1 is also a perfect square)

A. None 

B. Two

C. Three

D. One

## Q5 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

WAX BFC GKH LPM ?

A. QUR 

B. QRT

C. QVQ

D. QTQ

## Q6 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. JKL

B. FGH

C. LMN

D. BDD 

## Q7 Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group.

Which is the one that DOES NOT belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)1683

A. LHM

B. OKM 

C. RNS

D. UQV

## Q8 Reasoning

Jay ranked 12<sup>th</sup> from the bottom and 9<sup>th</sup> from the top in his class.

How many students are there in his class?

A. 20 

B. 19

C. 18

D. 17

**Q9 Reasoning**

What should come in place of the '?' in the given series?

10 13 22 41 66 101 ?

A. 146

B. 124

C. 164

D. 142

**Q10 Reasoning**

Seven people, L, V, H, D, E, F and T, are sitting in a row, facing north. Only four people sit to the right of D. V sits fourth from the left end. E is the immediate neighbour of H and T. F sits third to the left of T. How many people sit between L and H?

A. Five

B. Three

C. Two

D. Four

**Q11 Reasoning**

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

54, 110

56, 114

A. 58, 120

B. 48, 96

C. 62, 126

D. 45, 90

**Q12 Reasoning**

Seven boxes F, A, C, T, O, R and S are kept one over the other but not necessarily in the same order. Only two boxes are kept below A. Only three boxes are kept between T and A. Only one box is kept between S and R. R is kept immediately above A. Only four boxes are kept between S and F. O is kept at someplace above C. How many boxes are kept below O?57

A. Four

B. Two

C. One

D. Three

**Q13 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HDK 10, LIO 15, PNS 20, TSW 25, ?

A. YYB 30

B. XYB 30

C. XXA 30

D. YXA 28

**Q14 Reasoning**

In a certain code language, 'unit flash zebra' is coded as 'mi de cz' and 'zebra dance king' is coded as 'de uv id'. How is 'zebra' coded in the given language?

A. cz

B. mi

C. uv

D. de

**Q15 Reasoning**

Seven boxes I, J, K, M, N, P and Q are kept one over the other but not necessarily in the same order. Only three boxes are kept between box K and box P. Only one box is kept between box I and box P, where box I is kept at the topmost position. Box N is kept immediately above box Q. Only two boxes are kept between box N and box M. Which box is kept fourth from the top?

A. Q

B. N

C. P

D. J

**Q16 Reasoning**

If '+' means '-', '-' means 'x', 'x' means '+', '+' means '+', then what will come in place of the question mark (?) in the following equation?

$18 - 3 \div 9 + 15 \times 3 = ?$

A. 49

B. 57

C. 50

D. 58

### Q17 Reasoning

Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Mistake
2. Mild
3. Mist
4. Migrate
5. Milk

A. 4, 2, 1, 5, 3

B. 4, 2, 5, 3, 1

C. 2, 3, 5, 4, 1

D. 5, 3, 1, 2, 4

### Q18 Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$805 \div 2 + 26 - 1203 \times 3 = ?$$

A. 1588

B. 1895

C. 1985

D. 1598

### Q19 Reasoning

Akshay starts from Point A and drives 12 km towards the north. He then takes a right turn, drives 15 km, turns right and drives 17 km. He then takes a right turn and drives 18 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 2 km to the east

B. 3 km to the east

C. 5 km to the west

D. 4 km to the west

### Q20 Reasoning

HLJN is related to JNLP in a certain way based on the English alphabetical order. In the same way, EIGK is related to GKIM. To which of the following is FJHL related, following the same logic?  
10020

A. HKIN

B. HLJN

C. HLIN

D. HMIN

### Q21 Reasoning

What should come in place of the question mark (?) in the given series to make it logically complete?

ON35, MP44, KR53, ?

A. JU62

B. IT62

C. JT65

D. IU63

### Q22 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

All chairs are bats.

No bat is a hat.

#### Conclusions:

(I) No chair is a hat.

(II) Some hats are bats.

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

### Q23 Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

RN-TP-VY

PL-RN-TW2009

A. MJ-PK-RV

B. NJ-PL-RU

C. MJ-PL-RV

D. NJ-PL-RV

#### Q24 Reasoning

In a certain code language,  
'A @ B' means 'A is the mother of B',  
'A & B' means 'A is the husband of B',  
'A # B' means 'A is the father of B',  
'A % B' means 'A is the son of B' and  
'A \* B' means 'A is the daughter of B'.

If G @ K & V \* P # W % J, then how is J related to K?

- A. Wife's sister
- B. Mother
- C. Daughter
- D. Wife's mother

#### Q25 Reasoning

Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. Only one person sits between Q and L when counted from the right of Q. Only one person sits between L and M when counted from the left of M. Only one person sits between Q and G when counted from the right of G. Only two people sit between H and M when counted from the left of M. Only one person sits between F and G when counted from the right of F. Who sits to the immediate right and left of O, respectively?

- A. G and F
- B. F and L
- C. Q and L
- D. Q and G

#### Q26 Reasoning

Each letter in the word LANGUID is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is third from the right in the new letter cluster thus formed?

- A. 6
- B. 5
- C. 4
- D. 2

#### Q27 Reasoning

In a certain code language,  
A % B means 'A is the father of B',  
A € B means 'A is the wife of B',  
A = B means 'A is the brother of B', and  
A ? B means 'A is the daughter of B'.  
Based on the above, how is B related to X if 'B = C ? O % P € X'?

- A. Father
- B. Wife's father
- C. Wife's brother
- D. Brother

#### Q28 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All clouds are water. Some water is vapor.

Conclusions:

(I) Some clouds are vapor.

(II) Some vapor is water.

- A. Only conclusion (I) follows
- B. Neither conclusion (I) nor (II) follows
- C. Both conclusions (I) and (II) follow
- D. Only conclusion (II) follows

#### Q29 Reasoning

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.

TREK - RTEK - KRTE

MAPS - AMPS - SAMP7959

- A. SIDE - ISDE - IDES
- B. MANY - AMNY - YANM
- C. WISE - IWSE - EIWS
- D. OPEN - OEPN - NEPO

#### Q30 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)13013

- A. EGF
- B. BDC
- C. VYW
- D. HJI

## Reasoning

## Q1 Reasoning

In a certain code language, "WIAO" is coded as "40" and "TNCR" is coded as "47". What is the code for "FXAJ" in that given language?

- A. 41  
B. 30  
C. 39  
D. 33



## Q2 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)3072

- A. QSV  
B. EGJ  
C. NPS  
D. HJL



## Q3 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ICX 9, LFZ 16, OIB 25, RLD 36, ?

- A. VPJ 49  
B. UOF 49  
C. UPI 48  
D. VOJ 48



## Q4 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: All Chickens are Quails. All Quails are Pigeons.

Conclusion (I): No Pigeons are Chickens.

Conclusion (II): Some Pigeons are Chickens.

- A. Both conclusions (I) and (II) follow  
B. Only conclusion (I) follows  
C. Only conclusion (II) follows  
D. Neither conclusion (I) nor (II) follows



## Q5 Reasoning

Each letter in the word JUMBLED is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is first from the right in the new letter cluster thus formed?

- A. 11  
B. 9  
C. 13  
D. 10



## Q6 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?16948(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. JC-FG  
B. LE-HJ  
C. OH-KM  
D. QJ-MO



## Q7 Reasoning

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

GFK : JAE

LGP : OBJ3656

- A. FNP : IIK  
B. GIM : JDH  
C. CLW : FGQ  
D. JKH : MGB



## Q8 Reasoning

Each letter in the word MONKEYS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is fourth from the right in the new letter cluster thus formed?

- A. 5  
B. 4  
C. 1  
D. 2



**Q9 Reasoning**

What should come in place of '?' in the given series?

65 ? 24 15 11 10

A. 38

B. 42

C. 40

D. 44

**Q10 Reasoning**

In a certain code language,

$A \leq B$  means 'A is the son of B'

$A \neq B$  means 'A is the father of B'

$A @ B$  means 'A is the brother of B'

$A - B$  means 'A is the wife of B'

Based on the above, how is P related to X if 'P - Q @ S ≤ T ≠ X'?

A. Father's sister

B. Father's mother

C. Son's wife

D. Brother's wife

**Q11 Reasoning**

FR 6 is related to JL 17 in a certain way. In the same way, EU 12 is related to IO 23. To which of the following is SL 3 related, following the same logic? 9772

A. AK 11

B. OK 17

C. WF 14

D. YT 9

**Q12 Reasoning**

Seven people, R, B, Y, J, E, F and N, are sitting in a row, facing north. Y sits third from the right end. Only three people sit between B and Y. N is the immediate neighbour of E and J. F sits second to the right of E.

How many people sit between R and J?

A. Five

B. Three

C. Two

D. Four

**Q13 Reasoning**

Moksh starts from Point A and drives 21 km towards the south. He then takes a left turn, drives 14 km, turns left and drives 29 km. He then takes a left turn and drives 21 km. He takes a final left turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 8 km to the west

B. 8 km to the east

C. 7 km to the east

D. 7 km to the west

**Q14 Reasoning**

What should come in place of the question mark (?) in the given series to make it logically complete?

MV7 PT13 RR19 ?

A. TR27

B. SP25

C. TQ26

D. TP25

**Q15 Reasoning**

Anil ranked 27th from the top and 19th from the bottom in his class. How many students are there in his class?

A. 43

B. 46

C. 45

D. 44

**Q16 Reasoning**

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 2563174, then how many digits will appear more than once in the new number thus formed?

A. Three

B. Two

C. One

D. Zero



### Q17 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.  
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 120, 12)  
(3, 84, 14)

- A. (2, 78, 13)
- B. (4, 150, 19)
- C. (7, 155, 11)
- D. (6, 216, 18) ✓

### Q18 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. WS - UQ
- B. UQ - SP ✓
- C. NJ - LH
- D. QM - OK

### Q19 Reasoning

What should come in place of '?' in the given series?  
23 32 42 53 65 78 ?

- A. 90
- B. 92 ✓
- C. 87
- D. 85

### Q20 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between C and G. Only F is kept above B. No box is kept below G. E is kept at some place below A but at some place above D. How many boxes are kept between F and D?447

- A. 3
- B. 2
- C. 1
- D. 4 ✓

### Q21 Reasoning

Refer to the given series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 2 8 7 5 6 9 7 6 8 4 8 2 1 8 2 8 6 8 1 3 1 1 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- A. Two ✓
- B. Three
- C. Four
- D. One

### Q22 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

All carpets are shoes.  
All paintings are shoes.

#### Conclusions:

(I) Some carpets are paintings.  
(II) Some shoes are paintings.

- A. Only conclusion (I) follows
- B. Both conclusions (I) and (II) follow
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (II) follows ✓

### Q23 Reasoning

SMAL is related to VQFR in a certain way based on the English alphabetical order. In the same way, ECUJ is related to HGZP. To which of the following options is NOJB related, following the same logic?13391

- A. QSIO
- B. QSHO
- C. QSOH ✓
- D. QOSH

#### Q24 Reasoning

If '+' means '-', '-' means 'x', 'x' means '÷', '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$17 - 3 \div 8 + 21 \times 3 = ?$$

A. 49

B. 52

C. 50

D. 51

#### Q25 Reasoning

Seven people, J, K, C, D, E, Q and H, are sitting in a row, facing north. Only four people sit to the right of Q. Only two people sit to the right of E. K is the immediate neighbour of J and E. H sits third to the right of D.

How many people sit between C and K?

A. Five

B. Four

C. Two

D. Three

#### Q26 Reasoning

In a certain code language,

A x B means 'A is the father of B',

A ÷ B means 'A is the son of B',

A ÷ B means 'A is the daughter of B' and

A ₹ B means 'A is the sister of B'.

Based on the above, how is C related to M if 'C ₹ D ÷ E ÷ L x M'?

A. Mother's mother

B. Sister's daughter

C. Sister

D. Daughter

#### Q27 Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 5431786, what will be difference between the highest and lowest digits in the number thus formed?

A. 5

B. 6

C. 2

D. 8

#### Q28 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? EIJ 33 GKL 27 IMN 21 KOP 15 ?

A. MRQ 9

B. MQV 8

C. MPQ 8

D. MQR 9

#### Q29 Reasoning

In a certain code language, 'jaw bush oven' is coded as 'ht vq xe' and 'zebra egg jaw' is coded as 'vq db ia'. How is 'jaw' coded in the given language?

A. xe

B. ht

C. vq

D. db

#### Q30 Reasoning

In a row of people all facing the north, Jonny is 24<sup>th</sup> from the left end. Anuj is 28<sup>th</sup> from the left end. Anuj is exactly between Jonny and Rishabh. If Rishabh is 16<sup>th</sup> from the right end of the line, how many people are there in the row?

A. 44

B. 47

C. 46

D. 45

## Reasoning

## Q1 Reasoning

LM 5 is related to NL -14 in a certain way. In the same way, JK 9 is related to LJ -10. To which of the following is UV 11 related, following the same logic? 14116

A. YT -7

B. WU -8 

C. NJ 9

D. GT 3

## Q2 Reasoning

Seven people, Q, M, B, L, E, F and G, are sitting in a row, facing north. Only six people sit to the right of E. Only five people sit to the left of Q. Only three people sit between M and Q. B is the immediate neighbour of L and G. Only three people sit between F and L. How many people sit between G and F?

A. One 

B. Two

C. Four

D. Three

## Q3 Reasoning

Mr. Yorly starts from Point A and drives 6 km towards South. He then takes a right turn, drives 37 km, turns right and drives 42 km. He then takes a right turn and drives 47 km. He takes a final right turn, drives 36 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again?

(All turns are 90 degrees turns only unless specified.)

A. 10 km to the West 

B. 11 km to the North

C. 12 km to the East

D. 15 km to the South

## Q4 Reasoning

In a certain code language,  
A @ B means 'A is the son of B',  
A ≤ B means 'A is the wife of B',  
A £ B means 'A is the father of B' and  
A ≠ B means 'A is the brother of B'.

How is A related to P if 'A @ D £ J ≠ L ≤ P'?

A. Wife's sister

B. Wife's mother's mother

C. Wife's mother

D. Wife's brother 

## Q5 Reasoning

What should come in place of '?' in the given series?

8 9 17 26 90 115 ?

A. 231

B. 313

C. 198

D. 331 

## Q6 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

All jokers are frogs.

All frogs are cars.

**Conclusions:**

(I) Some cars are frogs.

(II) All jokers are cars.

A. Neither conclusion (I) nor (II) follows

B. Both conclusions (I) and (II) follow 

C. Only conclusion (I) follows

D. Only conclusion (II) follows

### Q7 Reasoning

Tuv ranked 27<sup>th</sup> from the top and 64<sup>th</sup> from the bottom in his class. How many students are there in his class?

- A. 90
- B. 92
- C. 91
- D. 89

### Q8 Reasoning

What should come in place of '?' in the given series?

7 ? 19 31 47 67

- A. 11
- B. 14
- C. 18
- D. 16

### Q9 Reasoning

Ayush ranked 44<sup>th</sup> from the top and 25<sup>th</sup> from the bottom in his class. How many students are there in his class?

- A. 68
- B. 66
- C. 67
- D. 69

### Q10 Reasoning

In a certain code language, 'COAL' is coded as '7649' and 'ALSO' is coded as '5967'. What is the code for 'S' in the given code language?

- A. 5
- B. 9
- C. 7
- D. 6

### Q11 Reasoning

Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only one person sits to the right of A. Only three people sit between B and A. Only three people sit between T and J, neither of whom sits on the left end. D sits immediately to the right of Z. Only one person sits between T and O. Who sits immediately to the left of A?

- A. T
- B. B
- C. D
- D. J

### Q12 Reasoning

Which of the following options should come in place of the '?' in the given series based on the English alphabetical order?

N 32, I 25, D 18, Y 11, ?

- A. S 4
- B. Y 4
- C. Z 4
- D. T 4

### Q13 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

All huts are villages.  
No hut is a district.

#### Conclusions:

(I) No village is a district.  
(II) Some districts are huts.

- A. Only conclusion (II) follows
- B. Only conclusion (I) follows
- C. Both conclusions (I) and (II) follow
- D. Neither conclusion (I) nor (II) follows

### Q14 Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 109

17, 103

- A. 22, 133
- B. 24, 155
- C. 19, 116
- D. 26, 130

### Q15 Reasoning

Each vowel in the word REFERTILIZES is changed to the second letter immediately following it in the English alphabetical order, and each consonant is changed to the second letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. R

B. X

C. K



D. G

### Q16 Reasoning

What should come in place of '?' in the given series based on the English alphabetical order?

GJE ZCX SVQ LOJ ?

A. LNJ

B. BFU

C. PRN

D. EHC



### Q17 Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 51748623, then how many digits will appear more than once in the new number thus formed?

A. Three



B. Two

C. One

D. Four

### Q18 Reasoning

Seven boxes M, N, O, P, X, Y and Z are kept one over the other but not necessarily in the same order. Only N is kept above P. Only two boxes are kept between P and X. Only O is kept below Y. Z is not kept immediately above X. Which box is kept second above M?

A. O

B. Z

C. P



D. X

### Q19 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HWR66 , MBW78 , RGB90 , WLG102 , ?

A. BOL114

B. BQM114

C. EQL114

D. BQL114



### Q20 Reasoning

BFGJ is related to GKLO in a certain way based on the English alphabetical order. In the same way, HKMN is related to MPRS. To which of the following is ORTU related, following the same logic? 14651

A. SVXY

B. UXZA

C. QEIY

D. TWYZ



### Q21 Reasoning

X is the mother of F. F is the sister of T. U is the father of K. K is the husband of T. How is X related to U?

A. Son's wife's sister

B. Mother

C. Son's wife's mother



D. Daughter

### Q22 Reasoning

Refer to the following series and answer the question (all numbers are single digit numbers only).

(Left) 45623332112387464658256543423(Right)

How many such odd digits are there each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. ONE

B. FIVE

C. NONE

D. TWO



### Q23 Reasoning

Each of the digits in the number 84157639 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- A. None
- B. Three
- C. One
- D. Two



### Q24 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)9145

- A. DAY
- B. PNK
- C. OLJ
- D. NKI



### Q25 Reasoning

KY 1 is related to MU 17 in a certain way. In the same way, FI 8 is related to HE 24. To which of the following is RF 3 related, following the same logic? 9771

- A. TB 19
- B. YG 9
- C. KJ 7
- D. KL 5



### Q26 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. LK-ON
- B. CB-FE
- C. KJ-MO
- D. FE-IH



### Q27 Reasoning

Refer to the following series and answer the question. (All numbers are single digit numbers only. Counting has to be done from left to right).

(Left) 2 9 3 3 8 4 7 2 4 2 8 9 9 7 4 9 9 4 6 7 7 (Right)

How many such odd digits are there each of which is immediately preceded by an odd digit and also immediately followed by a perfect square?

(NOTE: 1 is also a perfect square)

- A. One
- B. Three
- C. Two
- D. Four



### Q28 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. KO - QV
- B. AE - GK
- C. HL - NR
- D. DH - JN



### Q29 Reasoning

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 82135746, then what will be the difference between the first digit from the right end and the first digit from the left end in the new number thus formed?

- A. 8
- B. 2
- C. 4
- D. 6



### Q30 Reasoning

In a certain code language, 'steak tooth badge' is coded as 'qj hc sv' and 'badge poet lemon' is coded as 'tz qj wv'. How is 'badge' coded in that language? (All codes are two-letter codes.)

- A. hc
- B. sv
- C. qj
- D. tz



## Reasoning

## Q1 Reasoning

Seven boxes M, N, O, P, X, Y and Z are kept one over the other but not necessarily in the same order. Y is kept second from the bottom. Only three boxes are kept between Y and O. X is kept at one of the positions below Y. Only N is kept between O and P. M is kept at one of the positions above O. How many boxes are kept between X and M? 8096

- A. Three
- B. Four
- C. Five ✓
- D. One

## Q2 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. BCY
- B. NOK
- C. FGC
- D. LNI ✓

## Q3 Reasoning

Six people A, B, P, Q, C and D are sitting in a straight line. They all are facing towards North. P is sitting immediately between Q and D. D is sitting third to the left of B. A sits second to the right of P. What is the position of C with respect to D?

- A. Immediate left
- B. Second to the left
- C. Immediate right
- D. Second to the right ✓

## Q4 Reasoning

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.

SAID - AISD - DIAS

MODE - ODME - EDOM7963

- A. MIND - MNID - DNIM
- B. UGLY - GLUY - GLYU
- C. TONG - ONTG - GNOT ✓
- D. HOGS - OHGS - SOGH

## Q5 Reasoning

QQ 5 is related to VR -6 in a certain way. In the same way, LV 12 is related to QW 1. To which of the following is ES 16 related, following the same logic? 9776

- A. RW 1
- B. YT 4
- C. UG 3
- D. JT 5 ✓

## Q6 Reasoning

Seven people H, I, J, K, W, Y and Z are sitting in a row facing north. Only J sits to the left of W. Only four people sit between J and Y. Only I sits between K and H and K is not an immediate neighbor of Y. How many people sit to the right of Z?

- A. None ✓
- B. Three
- C. One
- D. Two

## Q7 Reasoning

If '+' means '-', '-' means 'x', 'x' means '+', '+' means '+', then what will come in place of the question mark (?) in the following equation?

$$322 \times 23 - 14 \div 463 + 232 = ?$$

- A. 298
- B. 35
- C. 427 ✓
- D. 760

## Q8 Reasoning

What should come in place of '?' in the given series based on the English alphabetical order?

TGA WJD ZMG CPJ ?

- A. FSM ✓
- B. GTC
- C. ERL
- D. DPN

**Q9 Reasoning**

Tus ranked 56<sup>th</sup> from the bottom and 51<sup>st</sup> from the top in his class. How many students are there in his class?

- A. 108
- B. 105
- C. 107
- D. 106

**Q10 Reasoning**

Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. Only one box is kept above R. Only two boxes are kept between R and S. Only three boxes are kept between D and S. Only Q is kept below C. B is not kept immediately above S. How many boxes are kept between E and Q?7335

- A. Three
- B. Two
- C. One
- D. Four

**Q11 Reasoning**

In a certain code language,  
 $A \times B$  means 'A is the son of B',  
 $A = B$  means 'A is the brother of B',  
 $A + B$  means 'A is the wife of B' and  
 $A - B$  means 'A is the father of B'.

How is S related to Z if 'S = W  $\times$  R + T - Z'?

- A. Son
- B. Father
- C. Husband
- D. Brother

**Q12 Reasoning**

Each vowel in the word WORTHLESSLY is changed to the second letter following it in the English alphabetical order AND each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- A. Four
- B. Three
- C. One
- D. Two

**Q13 Reasoning**

In a certain code language, 'DOLE' is coded as '7348' and 'LEMO' is coded as '2738'. What is the code for 'M' in the given code language?

- A. 3
- B. 2
- C. 8
- D. 7

**Q14 Reasoning**

In a certain code language,  
 $A \times B$  means 'A is the mother of B',  
 $A \neq B$  means 'A is the wife of B',  
 $A \div B$  means 'A is the daughter of B' and  
 $A \text{ ₹ } B$  means 'A is the father of B'.

Based on the above, how is C related to M if 'C  $\div$  D  $\neq$  E ₹ L  $\times$  M'?

- A. Son's wife
- B. Son's wife's sister
- C. Mother's sister
- D. Wife's sister

**Q15 Reasoning**

If 2 is added to each even digit and 1 is subtracted from each odd digit in the number 63145729, then how many digits will appear more than once in the new number thus formed?

- A. Four
- B. Three
- C. One
- D. Two

**Q16 Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)1681

- A. VRT
- B. NJK
- C. TPR
- D. PLN

**Q17 Reasoning**

What should come in place of '?' in the given series?  
38 55 74 95 118 ?

A. 161

B. 143 

C. 152

D. 155

**Q18 Reasoning**

In a certain code language, "EUOA" is coded as "53" and "YFMP" is coded as "71". What is the code for "RIZB" in that given language?

A. 66 

B. 60

C. 56

D. 58

**Q19 Reasoning**

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) U L Y M R D E L C D A E H R O H F X L D W H (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?  
11024

A. Four

B. One

C. Three

D. Two **Q20 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MHL21 OJN29 QLP37 SNR45 ?

A. UPS54

B. UPT53 

C. UPS53

D. UPT54

**Q21 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(163, 186, 23)

(144, 200, 56)

A. (201, 243, 43)

B. (135, 187, 62)

C. (113, 178, 65) 

D. (141, 229, 98)

**Q22 Reasoning**

Town G is to the west of Town H. Town I is to the north of Town G. Town J is to the east of Town I. Town K is to the south of Town J. Town H is to the north-east of Town K. What is the position of Town G with respect to Town J?

A. North-west

B. North-east

C. South-east

D. South-west **Q23 Reasoning**

WT 16 is related to XW -1 in a certain way. In the same way, DE 9 is related to EH -8. To which of the following is NK 19 related, following the same logic? 14120

A. UY 1

B. ON 2 

C. TY 5

D. NJ 7

**Q24 Reasoning**

Each vowel in the word READING is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. F 

B. Q

C. M

D. C



### Q25 Reasoning

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 5718624, how many digits will appear more than once in the new number thus formed?

A. One

B. Two

C. None

D. Three

### Q26 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

Some fans are cars.

No car is a bus.

#### Conclusions:

(I) Some fans are buses.

(II) Some cars are fans.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (II) follows

### Q27 Reasoning

What should come in place of '?' in the given series?

90 91 ? 126 190 315

A. 101

B. 91

C. 111

D. 99

### Q28 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. RO-MT

B. OL-JQ

C. UR-PW

D. XU-SY

### Q29 Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All routers are dongles. All routers are phones.

Conclusion (I) : Some dongles are phones

Conclusion (II) : All phones are routers

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

### Q30 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
GDK 12 NKR 23 URY 34 BYF 45 ?

A. IFM 56

B. SBU 56

C. JEK 55

D. KGM 55

## Reasoning

## Q1 Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. NKP

B. VSX

C. ROT

D. KHN 

## Q2 Reasoning

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 7281654, which of the following digits will be third from the left in the new number thus formed?

A. 1

B. 7 

C. 9

D. 3

## Q3 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?  
MNO PQR STU VWX ?

A. YZB

B. YZA 

C. YYZ

D. YAZ

## Q4 Reasoning

If 'P' stands for '+', 'Q' stands for '×', 'R' stands for '+' and 'S' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$40 R 16 P 4 S 3 Q 5 = ?$$

A. 30

B. 29 

C. 32

D. 25

## Q5 Reasoning

What should come in place of '?' in the given series?  
92 109 143 194 262 ?

A. 345

B. 349

C. 351

D. 347 

## Q6 Reasoning

Each letter in the word KNIFERS is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is third from the right in the new letter cluster thus formed?

A. 3

B. 7

C. 5

D. 4 

## Q7 Reasoning

Each vowel in the word WONDERLANDS is changed to the letter immediately following it in the English alphabetical order AND each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the group of letters thus formed?

A. F

B. R

C. M 

D. Q

## Q8 Reasoning

If '+' means '×', '×' means '+', '÷' means '+', '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$21 - 4 \div 10 + 36 \times 4 = ?$$

A. 84

B. 85 

C. 89

D. 90

### Q9 Reasoning

What should come in place of '?' in the given series based on the English alphabetical order?

YKQ QCI IUA AMS ?

A. RAD

B. PEG

C. KFY

D. SEK



### Q10 Reasoning

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.

DENY - DYNE - YNED

HUGE - HEGU - EGUH7956

A. TURN - TRUN - NRUT

B. CLOT - LCOT - TLOC

C. GROW - GRWO - ROWG

D. LOST - LTSO - TSOL



### Q11 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

All beads are chairs.

All beads are monks.

#### Conclusions:

(I) Some chairs are monks.

(II) All monks are beads.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows



C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows

### Q12 Reasoning

KR 19 is related to NM 6 in a certain way. In the same way, MV 11 is related to PQ -2. To which of the following is CS 7 related, following the same logic? 9770

A. KL 7

B. HJ -9

C. FN -6



D. GH 7

### Q13 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. MEO



B. EWO

C. ASK

D. XPH

### Q14 Reasoning

In a certain code language, 'NHJCR' is coded as '77' and 'QETLO' is coded as '61'. What is the code for 'PHASJ' in the given code language?

A. 55

B. 76



C. 52

D. 70

### Q15 Reasoning

Seven people F, G, H, L, M, O and Q are sitting in a row facing north. No one sits to the right of Q. O sits to the immediate left of Q. Only three people sit between Q and H. F sits third to the left of L. G sits to the immediate right of L. How many people sit between M and O?

A. One

B. Two

C. Four

D. Three



### Q16 Reasoning

Seven people F, G, H, L, M, O and Q are sitting in a row facing north. No one sits to the right of M. Only three people sit between O and M. Only one person sits between M and L. H sits to the immediate left of G. Q is not an immediate neighbor of M. How many people sit between F and H?

A. Three

B. Two

C. Four



D. One



### Q17 Reasoning

G is the father of Y. Y is the son of J. M is the brother of W. W is the son of J. How is G related to W?

- A. Brother
- B. Father
- C. Husband
- D. Son

### Q18 Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

LIES - ILSE - LSIE

FROG - RFGO - FGRO

- A. CUPS - UCSP - CSUP
- B. SCAM - MSCA - AMSC
- C. LUCK - UCLK - CLUK
- D. PALE - ALEP - LEPA

### Q19 Reasoning

In a certain code language,

A x B means 'A is the father of B',

A ÷ B means 'A is the son of B',

A ÷ B means 'A is the daughter of B' and

A ₹ B means 'A is the sister of B'.

Based on the above, how is C related to M if 'C ÷ D ₹ E ÷ L x M'?

- A. Sister's daughter
- B. Mother's mother
- C. Sister
- D. Daughter

### Q20 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group.

Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)16074

- A. HL-ZS
- B. QU - IB
- C. WA-OH
- D. GK - YP

### Q21 Reasoning

Refer to the following letter series and answer the question.

(Counting to be done from left to right only.)

(Left) K D A Z Z X L E L A R A E P E Y U Z F U Q P (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- A. 7
- B. 8
- C. 5
- D. 6

### Q22 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RNT KGM DZF WSY ?

- A. WKF
- B. FPR
- C. PLR
- D. YFT

### Q23 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding / subtracting / multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(12, 36, 3)  
(15, 75, 5)

- A. (14, 56, 4)
- B. (7, 72, 12)
- C. (8, 56, 9)
- D. (13, 188, 6)

### Q24 Reasoning

Seven boxes A, B, R, U, P, T and S are kept one over the other but not necessarily in the same order. Only four boxes are kept above U. Only one box is kept above R. Only one box is kept between R and A. S is kept immediately above T. P is kept at someplace below B. How many boxes are kept between B and S?59

- A. Three
- B. Four
- C. One
- D. Two

**Q25 Reasoning**

Dinesh starts from Point A and drives 20 km towards West. He then takes a left turn, drives 18 km, turns left and drives 21 km. He then takes a left turn and drives 28 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90° turns only unless specified.)

A. 10 km to the North

B. 10 km to the South

C. 11 km to the South

D. 11 km to the North

**Q26 Reasoning**

In a certain code language, "ZCKU" is coded as "94" and "SAPI" is coded as "126". What is the code for "GXR B" in that given language?

A. 119

B. 127

C. 120

D. 114

**Q27 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

All shackets are hats.

Some shackets are caps.

**Conclusions:**

(I) Some hats are caps.

(II) All caps are shackets.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows

**Q28 Reasoning**

Seven boxes E, F, G, H, I, J and R are kept one over the other but not necessarily in the same order. Only two boxes are kept below E. Only one box is kept above R. Only one box is kept between R and H. G is kept immediately above J. F is kept at some place below I. How many boxes are kept between I and F?

A. Three

B. One

C. Zero

D. Two

**Q29 Reasoning**

What should come in place of '?' in the given series?  
45 ? 63 81 105 135

A. 54

B. 52

C. 53

D. 51

**Q30 Reasoning**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only one box is kept above C. A is not the topmost box. Only two boxes are kept below D. G is kept below D but above F. E is kept below A. How many boxes are kept between A and E?

A. Three

B. Two

C. None

D. One

## Reasoning

## Q1 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?  
FCZ YVS ROL KHE ?

A. DAX 

B. DBW

C. DZW

D. DFG

## Q2 Reasoning

What should come in place of '?' in the given series?

217 190 165 142 121 102 ?

A. 85 

B. 92

C. 87

D. 90

## Q3 Reasoning

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following will be 486?

A. 404 A 4 D 15 C 50 B 8 

B. 404 D 4 D 15 C 50 A 8

C. 404 A 4 C 15 D 50 B 8

D. 404 B 4 D 15 C 50 A 8

## Q4 Reasoning

What should come in place of the '?' in the given series?

43 ? 31 67 19 79

A. 55 

B. 50

C. 60

D. 52

## Q5 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LG - KF

B. JE - MK 

C. NI - MH

D. HC - GB

## Q6 Reasoning

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 7213546, which of the following digits will be third from the left in the new number thus formed?

A. 5

B. 3 

C. 7

D. 9

## Q7 Reasoning

In a certain code language,

A + B means 'A is the husband of B',

A - B means 'A is the brother of B',

A × B means 'A is the mother of B', and

A ÷ B means 'A is the sister of B'.

Based on the above, how is G related to R if 'G ÷ H + I × T - R'?

A. Father's mother

B. Mother's sister

C. Brother's wife

D. Father's sister 

## Q8 Reasoning

Ar, Bg, Cf, Dn, Ej, Fm and Gv are sitting around a circular table, facing the centre.

Bg sits third to the right of Ej. Gv sits third to the left of Ej. Fm is the immediate neighbour of Cf and Bg. Dn is not an immediate neighbour of Ej.

How many people sit between Ar and Fm when counted from the left of Fm?

A. Three

B. Two 

C. Four

D. One

**Q9 Reasoning**

Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Bright
2. Bring
3. Bread
4. Break
5. Brain

A. 1, 5, 4, 2, 3

B. 5, 3, 1, 2, 4

C. 2, 5, 1, 4, 3

D. 5, 3, 4, 1, 2

**Q10 Reasoning**

Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept below C. Only two boxes are kept between E and C. Only Q is kept above D. S is kept at some place below B but at some place above R. Which box is kept immediately above S?7333

A. E

B. B

C. D

D. R

**Q11 Reasoning**

In a certain code language, 'eagle gum novel' is coded as 'fq ko hz' and 'novel fresh zebra' is coded as 'ko ef ni'. How is 'novel' coded in the given language?

A. fq

B. ko

C. ef

D. hz

**Q12 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)16110

A. VP – MU

B. OI – EN

C. RL-IQ

D. CW-TB

**Q13 Reasoning**

What should come in place of '?' in the given series based on the English alphabetical order?  
CGT FJW IMZ LPC ?

A. NRE

B. ORF

C. OSF

D. QTC

**Q14 Reasoning**

BGKM is related to HKMN in a certain way based on the English alphabetical order. In the same way, FHNP is related to LLPQ . To which of the following is NRTX related, following the same logic? 14649

A. TXZD

B. GFLN

C. SWYC

D. TVVY

**Q15 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 3, 16)

(6, 3, 19)

A. (3, 5, 15)

B. (7, 3, 20)

C. (4, 6, 21)

D. (1, 7, 8)

**Q16 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).  
Statements: All eggs are squares. Some crows are eggs.

Conclusion (I): Some squares are crows.

Conclusion (II): All eggs are crows.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (II) follows

C. Only conclusion (I) follows

D. Both conclusions (I) and (II) follow

**Q17 Reasoning**

LHLP is related to TPTX in a certain way based on the English alphabetical order. In the same way, DZDH is related to LHLP. To which of the following is JFJN related, following the same logic?  
13910

A. RNQV

B. RNRV 

C. ROQW

D. RMQV

**Q18 Reasoning**

In a certain code language,  
A @ B means 'A is the mother of B';  
A & B means 'A is the husband of B';  
A # B means 'A is the father of B';  
A % B means 'A is the son of B' and  
A \* B means 'A is the daughter of B'.

If  $G * K \& V @ P \# W \% J$ , then how is J related to G?

A. Brother's wife 

B. Brother's daughter

C. Sister's son

D. Mother's brother's son

**Q19 Reasoning**

Seven boxes R, S, T, U, V, W and X are kept one over the other but not necessarily in the same order. V is kept neither at the top nor at the bottom. Only three boxes are kept between U and W. R is kept one of the positions between S and T. W is kept second from the bottom and immediately below T.

How many boxes are kept between X and T?1541

A. THREE

B. ONE 

C. FOUR

D. TWO

**Q20 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ACE DFH GIK JLN ?

A. MPQ

B. MOQ 

C. OQS

D. NQT

**Q21 Reasoning**

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$2814 \times 7 - 3 \div 75 + 5 = ?$$

A. 421

B. 522

C. 622 

D. 321

**Q22 Reasoning**

In a certain code language, "SFOR" is coded as "116" and "WILA" is coded as "90". What is the code for "GMVC" in that given language?

A. 110

B. 90 

C. 120

D. 95

**Q23 Reasoning**

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) S Z E C A O Q M D P U I J L N X K D (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?  
11612

A. None

B. Three

C. One

D. Two **Q24 Reasoning**

Each letter in the word GUILDER is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

A. 11

B. 9

C. 7

D. 8

**Q25 Reasoning**

Mr. Yorly starts from Point A and drives 9 km towards North. He then takes a left turn, drives 13 km, turns left and drives 19 km. He then takes a left turn and drives 44 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- A. 35 km to the North
- B. 22 km to the East
- C. 33 km to the South
- D. 31 km to the West

**Q26 Reasoning**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. PRU
- B. CEH
- C. UWX
- D. JLO

**Q27 Reasoning**

Seven people H, I, J, K, W, Y and Z are sitting in a row facing north. Only three people sit between H and W. K sits to the immediate left of W. No one sits to the right of I. Only two people sit between I and K. Z sits to the immediate right of J. How many people sit between Y and Z?

- A. Four
- B. Three
- C. Two
- D. One

**Q28 Reasoning**

BO 7 is related to EI -7 in a certain way. In the same way, CS 10 is related to FM -4. To which of the following is IJ 20 related, following the same logic? 9774

- A. GJ 9
- B. HT -6
- C. LD 6
- D. OP -3

**Q29 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All carrots are onions. All onions are peas.

Conclusions (I) : All peas are carrots.

Conclusions (II) : Some onions are carrots.

- A. Only conclusion (II) follows
- B. Neither conclusion (I) nor (II) follows
- C. Only conclusion (I) follows
- D. Both conclusions (I) and (II) follow

**Q30 Reasoning**

Seven boxes C,D,E,F,G,H and P are kept one over the other but not necessarily in the same order. C is kept second from the bottom. Only three boxes are kept between C and G. F is kept at one of the positions below C. Only H is kept between G and P. E is kept at one of the positions above G. How many boxes are kept between D and E? 9737

- A. Two
- B. One
- C. Four
- D. Three



## Reasoning

## Q1 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

All hens are shirts.

All cats are shirts.

**Conclusions:**

(I) Some hens are cats.

(II) Some shirts are cats.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows

## Q2 Reasoning

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

36 A 3 C 21 D 12 B 2 = ?

A. 18

B. 4

C. 13

D. 9

## Q3 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
CMZ 3 HRE 6 MWJ 9 RBO 12 ?

A. WGT 15

B. NDY 18

C. SPR 16

D. KDT 15

## Q4 Reasoning

Vikash starts from Point A and drives 14 km towards the south. He then takes a right turn, drives 17 km, turns right and drives 19 km. He then takes a right turn and drives 18 km. He takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km to the east

B. 3 km to the east

C. 2 km to the west

D. 1 km to the west

## Q5 Reasoning

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 1528634, then what will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

A. 14

B. 12

C. 13

D. 10

## Q6 Reasoning

In a certain code language, 'FILM' is coded as '6043' and 'LIME' is coded as '7304'. What is the code for 'E' in the given code language?

A. 0

B. 7

C. 4

D. 3

### Q7 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(13, 33, 5)

(6, 40, 19)

A. (8, 46, 22)

B. (9, 39, 15) ✓

C. (20, 37, 12)

D. (17, 33, 10)

### Q8 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. HJ-ZT

B. DF-WP ✓

C. SU-KE

D. UW-MG

### Q9 Reasoning

Six boxes F, G, H, I, J and C are kept one over the other but not necessarily in the same order. Only four boxes are kept between H and I. Only H is kept above J. Only two boxes are kept between J and F. C is kept immediately above G. Which box is kept fourth from the bottom?9925

A. G

B. J

C. C ✓

D. F

### Q10 Reasoning

Each letter in the word CENTURY is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fifth from the left in the new group of letters thus formed?

A. Z

B. U ✓

C. O

D. V

### Q11 Reasoning

Seven people, Manu, Neha, Ojas, Pritam, Rina, Sita and Tina, are sitting around a circular table, facing the centre. Rina sits second to the right of Tina and second to the left of Sita. Manu sits third to the left of Ojas and Manu is an immediate neighbour of Rina. Pritam sits second to the left of Manu. How many people sit between Sita and Tina, when counted from the left of Tina?

A. Three

B. Two ✓

C. None

D. One

### Q12 Reasoning

Each vowel in the word CORRECT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?9623

A. P

B. Q ✓

C. R

D. S

### Q13 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. VUY ✓

B. NMP

C. GFI

D. BAD

### Q14 Reasoning

Seven boxes, G, H, I, L, M, N and O, are kept one over the other, but not necessarily in the same order. Only three boxes are kept below H. O is kept immediately above H. I is kept immediately above N. Only G is kept above L. M is not kept at the lowermost position. How many boxes are kept between M and G?

A. One

B. Zero

C. Three ✓

D. Two

### Q15 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. CAD

B. FDG

C. IGK

D. KIL

### Q16 Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

FI - HE - DG

LO -NK -JM

A. CB - AD - EF

B. OR - QN - RV

C. PS - TW - VR

D. KN - MJ - IL

### Q17 Reasoning

LPBF is related to QUGK in a certain way based on the English alphabetical order. In the same way, FJVZ is related to KOAE. To which of the following options is UYKO related, following the same logic?13030

A. ZDTP

B. ZOPT

C. ZTPO

D. ZDPT

### Q18 Reasoning

What should come in place of the '?' in the given series?

352 ? 88 44 22 11

A. 176

B. 164

C. 178

D. 160

### Q19 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

JUC55 , OZH67 , TEM79 , YJR91 , ?

A. LOW103

B. DOW103

C. DEW103

D. DOX103

### Q20 Reasoning

G is the sister of Y. Y is the brother of J. M is the father of W. W is the son of J. How is G related to M?

A. Sister

B. Mother

C. Wife's mother

D. Wife's sister

### Q21 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

UWS OQM IKG CEA ?

A. WXZ

B. WYU

C. WZT

D. WXT

### Q22 Reasoning

Seven people P1, P2, P3, P4, P5, P6 and P7 are sitting around a circular table facing towards the centre of the table. P2 sits to the immediate right of P6. P5 is sitting immediately between P4 and P3. P2 sits second to left of P4. P1 sits third to left of P7. How many people are sitting between P1 and P7 when checked from right of P7?

A. Four

B. One

C. Three

D. Two



**Q23 Reasoning**

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 5 4 5 6 5 8 5 1 7 6 3 9 7 6 4 1 7 6 4 5 7 6 4 7 7 6 (Right)

How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an even digit? (NOTE: 1 is also a perfect square.)

A. One

B. Four

C. Two

D. None

**Q24 Reasoning**

In a row of 214 students facing north, Rt is 164th from the left end. If Kl is 37th to the right of Rt, what is Kl's position from the right end of the line?

A. 14th

B. 11th

C. 12th

D. 13th

**Q25 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

Some pickles are seeds.

All seeds are flowers.

**Conclusions:**

(I) Some pickles are flowers.

(II) All flowers are seeds.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows

**Q26 Reasoning**

In a certain code language,  
A ! B means 'A is the wife of B',  
A > B means 'A is the sister of B',  
A = B means 'A is the father of B' and  
A - B means 'A is the son of B'.

How is N related to E if 'N > U - R ! S = E'?

A. Sister's daughter

B. Sister

C. Daughter's sister

D. Daughter

**Q27 Reasoning**

In a certain code language, 'kin hair calm' is coded as 'nl ix wp' and 'guest calm iron' is coded as 'ag lj ix'. How is 'calm' coded in the given language? (All codes are two-letter codes.)

A. nl

B. wp

C. ag

D. ix

**Q28 Reasoning**

What should come in place of '?' in the given series?

63 68 ? 93 113 138

A. 88

B. 85

C. 83

D. 78

**Q29 Reasoning**

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

$$10 A 2 C 35 B 2 = ? C 20$$

A. 45

B. 50

C. 55

D. 35

**Q30 Reasoning**

TJ 12 is related to VF 4 in a certain way. In the same way, HE 10 is related to JA 2. To which of the following is DR 5 related, following the same logic? 9768

A. JI -7

B. VH -6

C. FN -3

D. HJ 9



## Reasoning

## Q1 Reasoning

Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. G sits to the immediate right of L. Only three people sit between O and M when counted from the left of O. Only three people sit between L and Q when counted from the right of Q. F is an immediate neighbor of Q as well as M. How many people sit between H and O when counted from the right of H?

A. Four

B. Two 

C. Three

D. One

## Q2 Reasoning

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 621453, what will be the sum of all even digit in the new number thus formed?

A. 4

B. 8

C. 6 

D. 2

## Q3 Reasoning

In a certain code language,

- J - K means 'J is the father of K',
- J + K means 'J is the mother of K',
- J x K means 'J is the brother of K' and
- J ÷ K means 'J is the sister of K'.

Based on the above, how is M related to R if 'M x N ÷ O + P - Q x R'?

A. Husband's father's brother

B. Husband's mother's brother

C. Mother's mother's brother

D. Father's mother's brother 

## Q4 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

AVZ BWA CXB DYC ?

A. EZD 

B. LPR

C. MDP

D. WKF

## Q5 Reasoning

If 'P' stands for '+', 'Q' stands for 'x', 'R' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

24 D 32 P 8 R 26 Q 2 D 54 = ?

A. 24

B. 18 

C. 48

D. 6

## Q6 Reasoning

Riya starts from Point A and drives 4 km towards the south. She then takes a left turn, drives 8 km, turns left and drives 6 km. She then takes a left turn and drives 9 km. She takes a final left turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 4 km to the west

B. 1 km to the east 

C. 3 km to the west

D. 2 km to the east

## Q7 Reasoning

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

TNM : XPJ

URL : YTI3150

A. HMK : LOH 

B. EDO : IFK

C. FUS : JWQ

D. LQX : PTU

**Q8 Reasoning**

Each vowel in the word MELODIA is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

- A. Three
- B. Two
- C. One
- D. Zero

**Q9 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MDG 36, PGK 40, SJO 44, VMS 48, ?

- A. XOY 54
- B. YPW 52
- C. YOW 54
- D. XPV 52

**Q10 Reasoning**

What should come in place of the '?' in the given series?

11 29 51 81 123 ?

- A. 190
- B. 185
- C. 181
- D. 195

**Q11 Reasoning**

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 7 5 3 1 5 9 6 2 4 1 5 8 9 6 5 2 1 4 2 5 8 7 6 3 2 5 9 8 5 4 1 5 9 6 2  
3 6 5 4 8 7 5 9 8 7 4 1 5 9 7 5 2 6 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

- A. 7
- B. 9
- C. 11
- D. 13

**Q12 Reasoning**

Seven boxes, G, H, I, J, Q, R and S, are kept one over the other, but not necessarily in the same order.  
Only four boxes are kept between S and H. Only Q is kept above S.  
Only two boxes are kept between J and R. G is kept immediately above I. R is not kept immediately above G.  
How many boxes are kept above R?

- A. Four
- B. Two
- C. Three
- D. Five

**Q13 Reasoning**

Seven people, T, E, A, R, I, N and G, are sitting in a row, facing north.  
Only three people sit to the left of R. Only G sits to the right of E.  
Only three people sit between E and A. I sits at some place to the left of T but at some place to the right of N. How many people sit between N and T?

- A. Four
- B. One
- C. Three
- D. Two

**Q14 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(24, 11, 266)  
(26, 13, 340)

- A. (23, 12, 274)
- B. (13, 8, 104)
- C. (25, 9, 227)
- D. (27, 11, 295)

### Q15 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).  
Statements: All eggs are kings. Some kings are tickets.

Conclusion (I): All tickets are eggs.

Conclusion (II): Some eggs are tickets.

A. Both conclusions (I) and (II) follow

B. Neither conclusion (I) nor (II) follows

C. Only conclusion (I) follows

D. Only conclusion (II) follows

### Q16 Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$28 - 13 + 17 \div 43 \times 43 = ?$$

A. 24

B. 22

C. 25

D. 26

### Q17 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
BHP 16 LRZ 25 VBJ 36 FLT 49 ?

A. LCS 64

B. UDN 81

C. LXE 81

D. PVD 64

### Q18 Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

MLJ-LKI

XWU-WVT

A. FDA-EDB

B. FEC-EDB

C. FEC-DDA

D. FDA-DCA

### Q19 Reasoning

Six boxes, Q, R, S, T, U and W, are kept one over the other, but not necessarily in the same order.

Only one box is kept between U and R. Only S is kept above W. No box is kept below R. T is kept at some place below Q.

Which box is kept immediately above T?

A. W

B. U

C. R

D. Q

### Q20 Reasoning

GILF is related to NPSM in a certain way based on the English alphabetical order. In the same way, JLOI is related to QSVP. To which of the following is MORL related, following the same logic?15754

A. TVSY

B. VTYS

C. VTSY

D. TVYS

### Q21 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

Some apples are baskets. All baskets are drums.

Conclusions:

(I) Some drums are apples.

(II) No drum is an apple.

A. Both conclusions (I) and (II) follow

B. Neither conclusion (I) nor (II) follows

C. Only conclusion (I) follows

D. Only conclusion (II) follows

### Q22 Reasoning

Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only three boxes are kept above C. Only one box is kept between F and C. Only three boxes are kept between F and E. E is kept at some place above C. G is kept immediately below E. B is kept at one of the places above D. A is not kept immediately above or below F. How many boxes are kept between B and G?

A. 2

B. 1

C. 4

D. 3

**Q23 Reasoning**

What should come in place of the '?' in the given series?

156 180 228 300 ? 516

A. 376

B. 402

C. 396

D. 382

**Q24 Reasoning**

In a certain code language,

A + B means 'A is the son of B',

A - B means 'A is the brother of B',

A x B means 'A is the wife of B' and

A ÷ B means 'A is the father of B'.

Based on the above, how is S related to K if 'S - D x F + H ÷ K'?

A. Brother's wife's brother

B. Brother's wife's father

C. Wife's brother

D. Wife's father

**Q25 Reasoning**

In a certain code language, 'FIRE' is coded as '5279' and 'FEAR' is coded as '5427'. What is the code for 'A' in the given code language?

A. 7

B. 2

C. 4

D. 5

**Q26 Reasoning**

Refer to the following letter series and answer the question.  
(Counting to be done from left to right only.)

(Left) G L Y N J Z U Q M F D E U S A B Y D V X P (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. One

B. None

C. Two

D. Three

**Q27 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. SQ-XV

B. MK-RO

C. QO-VS

D. OM-TQ

**Q28 Reasoning**

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)1682

A. HDG

B. KGI

C. NJM

D. EAD

**Q29 Reasoning**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. OQM

B. TVR

C. KMI

D. FHE

**Q30 Reasoning**

In a certain code language, 'FILE' is coded as '4128' and 'LIME' is coded as '1268'. What is the code for 'M' in the given code language?

A. 6

B. 1

C. 8

D. 2

## Reasoning

## Q1 Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All fans are motors. All motors are scooters.

Conclusion (I) : Some scooters are motors

Conclusion (II) : All fans are scooters

A. Neither conclusion (I) nor (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (I) follows

D. Only conclusion (II) follows

## Q2 Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

$$9 A 3 C 15 B 2 = ? D 10$$

A. 39

B. 34

C. 43

D. 33

## Q3 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

16075

A. BE-YR

B. KM - HA

C. OR-LE

D. MP - JC

## Q4 Reasoning

Each vowel in the word BACKLOG is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will appear exactly twice in the new group of letters thus formed?

A. P

B. B

C. J

D. K

## Q5 Reasoning

What should come in place of '?' in the given series?

184 164 145 127 110 94 ?

A. 83

B. 75

C. 81

D. 79

## Q6 Reasoning

Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only two people sit to the left of O. Only three people sit between O and Z. Only one person sits between Z and D. A sits to the immediate left of J. B is not an immediate neighbor of Z. Who sits immediately to the right of D?

A. Z

B. O

C. B

D. T

## Q7 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

9144

A. BAE

B. EDH

C. AZD

D. RQT

**Q8 Reasoning**

What should come in place of '?' in the given series?

9 ? 18 45 109 234

A. 12

B. 10

C. 15

D. 17

**Q9 Reasoning**

What should come in place of ? in the given series based on the English alphabetical order?

TWY VYA XAC ZCE ?

A. BCE

B. BDF

C. BEG

D. BFF

**Q10 Reasoning**

Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

PK - QL - RT

RM - SN - TV1475

A. KG - MH - NO

B. KG - MI - NO

C. LG - MH - NP

D. LG - MH - NO

**Q11 Reasoning**

R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table.

Only two people sit between R and G when counted from the right of R. Only three people sit between D and N when counted from the right of N. G sits to the immediate right of N. A sits to the immediate right of I.

Who sits fourth to the right of E?

A. N

B. R

C. A

D. G

**Q12 Reasoning**

Refer to the following number series and answer the question. (All numbers are single-digit numbers only. Counting to be done from left to right only.)

(Left) 5 3 8 6 6 3 5 7 9 7 3 4 8 3 9 2 5 5 1 5 6 1 2 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. Four

B. Two

C. Three

D. One

**Q13 Reasoning**

In a certain code language, 'queen chin steak' is coded as 'kc eq rq' and 'steak arch food' is coded as 'yg kc mz'. How is 'steak' coded in the given language?

A. yg

B. kc

C. rq

D. eq

**Q14 Reasoning**

In a certain code language,  
 A @ B means 'A is the mother of B',  
 A × B means 'A is the wife of B',  
 A + B means 'A is the brother of B' and  
 A ÷ B means 'A is the father of B'.

How is S related to H if 'S × D + R @ Y ÷ H'?

A. Father's brother's wife

B. Brother's wife

C. Father's mother's brother's wife

D. Father's mother's brother's daughter

**Q15 Reasoning**

In a certain code language, 'hall menu peak' is coded as 'yy ae wp' and 'peak boat owner' is coded as 'mr yy sf'. How is 'peak' coded in that language?

A. wp

B. yy

C. mr

D. ae

### Q16 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

All diesels are petrol.  
Some petrol are fuels.

#### Conclusions:

(I) No fuel is petrol.  
(II) No petrol is diesel.

A. Neither conclusion (I) nor (II) follows ✓

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows

### Q17 Reasoning

Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

JS-BJ-SB  
LU-DL-UD

A. NW-FN-WF ✓

B. NW-FN-KL

C. NW-FN-WR

D. NW-FN-OP

### Q18 Reasoning

In a certain code language,  
 $A \wedge B$  means 'A is the mother of B',  
 $A \div B$  means 'A is the daughter of B',  
 $A ! B$  means 'A is the wife of B', and  
 $A \sqrt{B}$  means 'A is the father of B'.

Based on the above, how is T related to Z if ' $T \sqrt{U} \div V \wedge W ! Z$ '?

A. Wife's brother

B. Father's brother

C. Wife's father ✓

D. Brother's son

### Q19 Reasoning

Refer to the following letter series and answer the question.  
(Counting to be done from left to right only.)

(Left) V A R V Y R A C M W S A I G Z O W V R R F (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. Two

B. One

C. Three ✓

D. None

### Q20 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

13, 196  
17, 324

A. 19, 361

B. 18, 381

C. 15, 256 ✓

D. 21, 400

### Q21 Reasoning

Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept above E. Only B is kept between E and Q. Only R is kept below C. Only one box is kept between Q and D. How many boxes are kept between S and R?7334

A. One

B. Four

C. Three

D. Two ✓

**Q22 Reasoning**

Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. Only five boxes are kept above D. Only three boxes are kept between D and C. Only four boxes are kept between C and S. Only E is kept between C and B. R is kept at one of the positions above C. How many boxes are kept between Q and S?7336

- A. Three
- B. Four
- C. Two
- D. One

**Q23 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

DXN HCR LHV PMZ ?

- A. SQE
- B. TRD
- C. USC
- D. TSC

**Q24 Reasoning**

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

FHI : GBE

KXN : LRJ3124

- A. HLP : IFM
- B. MHD : NBA
- C. BNU : CHQ
- D. FKK : GEH

**Q25 Reasoning**

Each of the digits in the number 2536841 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- A. 11
- B. 7
- C. 10
- D. 8

**Q26 Reasoning**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. KIF
- B. IGD
- C. GFB
- D. QOL

**Q27 Reasoning**

Seven boxes, L, M, N, O, P, Q and R, are kept one over the other, but not necessarily in the same order.

P is kept second from the top. Only three boxes are kept between L and M. N is kept immediately before P. Only M is kept after O. R is kept immediately above O.

How many boxes are kept between Q and M?

- A. Two
- B. Three
- C. One
- D. Four

**Q28 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RU29 QT37 PS45 OR53 ?

- A. NQ61
- B. NQ62
- C. NR61
- D. NR62

**Q29 Reasoning**

Sikar starts from Point A and drives 17 km towards the north. He then takes a left turn, drives 14 km, turns left and drives 18 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 1 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the west



B. 6 km to the west

C. 3 km to the west

D. 4 km to the east

**Q30 Reasoning**

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$22 \text{ C } 10 \text{ D } 9 \text{ A } 21 \text{ B } 42 = ?$$

A. 14



B. 12

C. 16

D. 15



## Reasoning

## Q1 Reasoning

In a certain code language,

J + Q means 'J is the mother of Q',

J - Q means 'J is the brother of Q',

J x Q means 'J is the husband of Q' and

J ÷ Q means 'J is the sister of Q'.

Based on the above, how is A related to F if 'A ÷ B x C + D - E ÷ F'?

A. Mother

B. Sister

C. Father's sister

D. Mother's sister

## Q2 Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

$$7 A 7 C 20 B 2 = ? C 20$$

A. 24

B. 21

C. 22

D. 20

## Q3 Reasoning

What should come in place of '?' in the given series?

4 10 18 38 74 ?

A. 150

B. 152

C. 148

D. 154

## Q4 Reasoning

What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$12 \div 4 + 9 \times 3 - 8 = ?$$

A. 35

B. 39

C. 53

D. 44

## Q5 Reasoning

In a certain code language, 'stage pig add' is coded as 'yv se kk' and 'third add bee' is coded as 'se ec wm'. How is 'add' coded in that language? (All codes are two-letter codes.)

A. ec

B. yv

C. se

D. kk

## Q6 Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

$$3 A 42 B 14 C 29 D 22 = ?$$

A. 10

B. 11

C. 9

D. 8

## Q7 Reasoning

KL 9 is related to IH -2 in a certain way. In the same way, PG 7 is related to NC -4. To which of the following is JQ 14 related, following the same logic? 1463

A. IN 6

B. IM 3

C. HM 3

D. HN 6

## Q8 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. KCU

B. PHZ

C. OGY

D. QAI



**Q9 Reasoning**

In a certain code language, 'LOTS' is coded as '8439' and 'JOLS' is coded as '4853'. What is the code for 'J' in the given code language?  
1196

A. 4

B. 5 

C. 8

D. 3

**Q13 Reasoning**

What should come in place of '?' in the given series?  
135 150 180 225 285 ?

A. 350

B. 330

C. 340

D. 360 **Q10 Reasoning**

Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. Only two people sit between Q and L when counted from the right of Q. Only two people sit between L and O when counted from the left of O. Only three people sit between Q and F when counted from the right of Q. M sits to the immediate left of H. Who sits third to the left of G?

A. M

B. H 

C. F

D. L

**Q14 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

YBZ DGE ILJ NQO ?

A. STV

B. SWS

C. SUS

D. SVT **Q11 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TUW XYA BCE FGI ?

A. JLM

B. JKM 

C. JMK

D. KJL

**Q15 Reasoning**

Each vowel in the word RADULAE is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

A. Three

B. Two

C. Zero

D. One **Q12 Reasoning**

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) F M I H Y F Y E G K Y O N V K H Q T E K N (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. None 

B. Three

C. Two

D. One

**Q16 Reasoning**

Seven boxes, A, U, V, W, X, Y and Z, are kept one over the other, but not necessarily in the same order. Y is kept second from the bottom. Only two boxes are kept between Y and V. A is kept on one of the positions before V but on one of the positions after W. Only Z is kept between Y and U. Which box is kept first from the bottom?

A. W

B. X 

C. A

D. U

### Q17 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All apples are baskets. Some baskets are cups.

Conclusions:

(I) Some apples are cups.

(II) All cups are apples.

A. Neither conclusion (I) nor (II) follows



B. Both conclusions (I) and (II) follow

C. Only conclusion (I) follows

D. Only conclusion (II) follows

### Q18 Reasoning

In a certain code language,

A x B means 'A is the mother of B',

A ÷ B means 'A is the wife of B',

A ÷ B means 'A is the daughter of B' and

A ₹ B means 'A is the father of B'.

Based on the above, how is C related to M if 'C ÷ D ₹ E x L ÷ M'?

A. Wife's mother



B. Husband's mother

C. Wife's brother's wife

D. Brother's wife

### Q19 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ST - YZ

B. IJ - OP

C. MJ - LP



D. CD - IJ

### Q20 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. RF - NB

B. MJ - IF

C. PT - LG



D. UG - QC

### Q21 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 5, 7)

(3, 10, 13)

A. (8, 63, 75)

B. (7, 49, 51)

C. (6, 37, 43)



D. (5, 26, 36)

### Q22 Reasoning

LOSM is related to QTXR in a certain way based on the English alphabetical order. In the same way, ILPJ is related to NQUO. To which of the following is FIMG related, following the same logic? 15736

A. NKRL

B. KNLR

C. NKLR

D. KNRL



### Q23 Reasoning

Each vowel in the word NOTFERN is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

A. One



B. Zero

C. Three

D. Two



#### Q24 Reasoning

Mr. Yorly starts from Point A and drives 17 km towards East. He then takes a left turn, drives 18 km, turns left and drives 30 km. He then takes a left turn and drives 31 km. He then takes a left turn, drives 9 km, turns left and drives 6 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- A. 8 km to the North
- B. 9 km to the East
- C. 7 km to the North
- D. 5 km to the West

#### Q25 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PRY WYF DFM KMT ?

- A. RTA
- B. RTY
- C. RAT
- D. ERT

#### Q26 Reasoning

Seven boxes, F, G, H, I, J, K and L, are kept one over the other, but not necessarily in the same order.

Only one box is kept between G and F. J is kept at the fourth position from the top. Only one box is kept above L. I is kept immediately below L. K is kept at a position somewhere above J.

How many boxes are kept between K and H?2550

- A. One
- B. Three
- C. Four
- D. Two

#### Q27 Reasoning

Seven people, T, E, A, R, I, N and G, are sitting in a row, facing north. Only two people sit to the left of N. Only three people sit between N and G. Only one person sits between G and E. I sits to the immediate left of R. A is not an immediate neighbor of G. How many people sit to the right of T?

- A. Four
- B. Three
- C. Two
- D. One

#### Q28 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: All Eagles are Seagulls. Some Seagulls are Peacocks.

Conclusion (I): Some Eagles are Peacocks.  
Conclusion (II): No Peacocks are Eagles.

- A. Both conclusions (I) and (II) follow
- B. Only conclusion (II) follows
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (I) follows

#### Q29 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. TR-OM
- B. PN-KI
- C. XV-SQ
- D. US-OP

#### Q30 Reasoning

Seven boxes, K, N, I, G, H, T and S, are kept one over the other, but not necessarily in the same order.

K is kept fourth from the top. Only one box is kept between H and K. Only three boxes are kept between H and S. S is kept at some place above K. I is kept immediately below S. N is kept at one of the places above T. G is not kept immediately above or below H. How many boxes are kept below N?

- A. Zero
- B. Two
- C. One
- D. Three

## Reasoning

## Q1 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: All Corns are Cauliflowers. No Cauliflowers are Spinaches.

Conclusion (I): No Spinaches are Corns.  
Conclusion (II): Some Spinaches are Corns.

- A. Only conclusion (II) follows
- B. Both conclusions (I) and (II) follow
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (I) follows

## Q2 Reasoning

Seven boxes X, Y, Z, W, V, U and T are kept one over the other but not necessarily in the same order. Y is placed at the bottommost position. Exactly three boxes are kept between T and W. W is kept on one of the positions above T. Box U is kept immediately above Z. Box X is kept immediately below W. Box V is kept immediately above W. Which box is second from the bottom?

- A. T
- B. W
- C. U
- D. V

## Q3 Reasoning

Based on the English alphabetical order, three of the following four letter clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)13010

- A. HKO
- B. VZC
- C. ZCG
- D. BEI

## Q4 Reasoning

In a certain code language, 'MAKI' is coded as '2468' and 'MASK' is coded as '2496'. What is the code for 'S' in the given code language?

- A. 2
- B. 8
- C. 4
- D. 9

## Q5 Reasoning

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) O K I Y C R L U K V I E H L Y V O N Q O S Z (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- A. 3
- B. 2
- C. 1
- D. 4

## Q6 Reasoning

Each of the digits in the number 9342156 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. One
- B. None
- C. Two
- D. Three



### Q7 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(99, 103, 111)  
(157, 161, 169)

A. (323, 328, 336)

B. (112, 117, 125)

C. (208, 212, 220) ✓

D. (196, 198, 206)

### Q8 Reasoning

Seven people, N, H, C, D, E, R and G, are sitting in a row, facing north.

Only one person sits to the left of R. G sits fourth from the right end. Only two people sit between R and E. D sits to the immediate left of N. H does not sit to the left of C.

How many people sit between C and D?

A. Three

B. Two

C. One

D. Four ✓

### Q9 Reasoning

In a certain code language,

A @ B means 'A is the mother of B';

A × B means 'A is the wife of B';

A + B means 'A is the brother of B' and

A ÷ B means 'A is the father of B'.

How is S related to H if 'S × D + R ÷ Y @ H'?

A. Father's brother's wife

B. Mother's father's brother's wife ✓

C. Mother's father's brother's daughter

D. Brother's wife

### Q10 Reasoning

Each of the digits in the number 3164857 is arranged in ascending order from left to right. What will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

A. 8

B. 9

C. 10 ✓

D. 12

### Q11 Reasoning

Bablu is the husband of Chetna. Anita is the daughter of Bablu. Ekam is the brother of Anita. Manu is the son of Anita. Kunal is the brother of Manu. How is Chetna related to Kunal?

A. Mother

B. Father's mother

C. Daughter

D. Mother's mother ✓

### Q12 Reasoning

Refer to the following letter series and answer the question. (Counting to be done from left to right only.)

(Left) E S I C X Z O W G U K A Q D F T B Y M R H (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. 4

B. 2 ✓

C. 3

D. 1

### Q13 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. ON - QP

B. UT - WX ✓

C. SR - UT

D. LK - NM

#### Q14 Reasoning

Refer to the following letter series and answer the question that follows.

(Left) X P S A D U G L O E J F K I M C R T Q (Right)

How many vowels are there in the English alphabetical series between the letter which is third from the right end and fifth from the left end of the series?11610

- A. More than one
- B. One
- C. Two
- D. Three

#### Q15 Reasoning

RS 4 is related to UR -11 in a certain way. In the same way, IJ 8 is related to LI -7. To which of the following is MN 12 related, following the same logic?

- A. PM -3
- B. MK -4
- C. IO -5
- D. HY -7

#### Q16 Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. PTW
- B. QNJ
- C. GKN
- D. BFI

#### Q17 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HEP 27, MCN 41, RAL 55, WYJ 69, ?

- A. BXG 81
- B. CVH 83
- C. BWH 83
- D. AWG 81

#### Q18 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

ZQF 19, DUJ 28, HYN 37, LCR 46, ?

- A. QHU 57
- B. RFW 52
- C. PGV 55
- D. QFU 60

#### Q19 Reasoning

What should come in place of the question mark (?) in the given series?

17 40 61 80 97 112 ?

- A. 125
- B. 130
- C. 127
- D. 122

#### Q20 Reasoning

HI 26 is related to FF 11 in a certain way. In the same way, MG 22 is related to KD 7. To which of the following is KF 14 related, following the same logic?

- A. HC -1
- B. IC -1
- C. IB -3
- D. HB -3

#### Q21 Reasoning

R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table.

D sits third to the left of R. A sits second to the left of G. Only R sits between I and A. E is not an immediate neighbor of D.

How many people sit between N and A when counted from the right of N?

- A. Two
- B. Three
- C. One
- D. Four

### Q22 Reasoning

In a certain code language, "VINP" is coded as "61" and "FSKA" is coded as "85". What is the code for "TOYG" in the given language?

- A. 61
- B. 63
- C. 69
- D. 55



### Q23 Reasoning

If 2 is added to each odd digit and 2 is subtracted from each even digit in the number 7213546, what will be difference between the highest and lowest digits in the number thus formed?

- A. 6
- B. 8
- C. 9
- D. 7



### Q24 Reasoning

Seven boxes, U, V, W, X, A, B and C, are kept one over the other, but not necessarily in the same order.

Only U is kept below W. Only A is kept between V and X. Only C is kept between B and X. Box B is kept at the top-most position.

Which box is kept at the third position from the bottom?

- A. A
- B. V
- C. C
- D. X



### Q25 Reasoning

JS 12 is related to MO -3 in a certain way. In the same way, LW 9 is related to OS -6. To which of the following is BT 6 related, following the same logic? 9946

- A. PT -11
- B. EP -9
- C. TR 10
- D. YT 8



### Q26 Reasoning

Kiran starts from Point A and drives 23 km towards the north. She then takes a right turn, drives 9 km, turns right and drives 31 km. She then takes a right turn and drives 17 km. She takes a final right turn, drives 8 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 8 km to the west
- B. 9 km to the west
- C. 8 km to the east
- D. 9 km to the east



### Q27 Reasoning

What should come in place of '?' in the given series?

37 57 81 109 141 177 ?

- A. 214
- B. 205
- C. 217
- D. 211



### Q28 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only G is kept above A. Only two boxes are kept between A and C. Only D is kept below E. F is not kept immediately above C. How many boxes are kept between E and F?50

- A. 4
- B. 3
- C. 2
- D. 1



### Q29 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

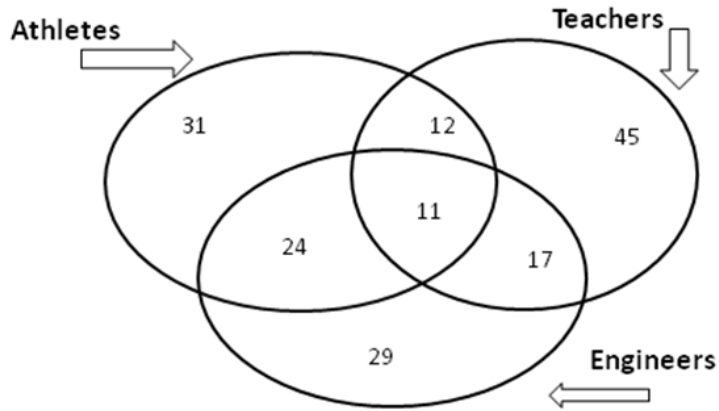
EV21 IS33 MP45 QM57 ?

- A. VK71
- B. VJ69
- C. UJ69
- D. UK71



**Q30 Reasoning**

Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons in a room. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)



How many such engineers are there who are also athletes but not teachers?

A. 28

B. 23

C. 24

D. 35



## Reasoning

## Q1 Reasoning

DVUK is related to GZZQ in a certain way based on the English alphabetical order. In the same way, PLOI is related to SPTO. To which of the following options is YXDA related, following the same logic?13393

- A. GBBI  
 B. BBIG ✓  
 C. BGIG  
 D. BGIB

## Q2 Reasoning

The position(s) of how many letters will remain unchanged if each letter in the word COMBINE is arranged in the English alphabetical order?

- A. 1 ✓  
 B. 3  
 C. 2  
 D. 0

## Q3 Reasoning

KG 13 is related to IC -2 in a certain way. In the same way, NH 20 is related to LD 5. To which of the following is NW 24 related, following the same logic? 1461

- A. MS 11  
 B. LS 9 ✓  
 C. LR 9  
 D. MR 11

## Q4 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. OP - EA  
 B. MN - CY  
 C. JK - WV ✓  
 D. UV - KG

## Q5 Reasoning

Refer to the given letter series and answer the question that follows.

(Left) P W I C T G T X W J N L X T D X E S C S Z (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- A. Three  
 B. None  
 C. One  
 D. Two ✓

## Q6 Reasoning

Each vowel in the word 'VOLUNTARY' is changed to the second letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which letter will appear exactly twice in the group of letters thus formed?923

- A. Q ✓  
 B. W  
 C. K  
 D. M

## Q7 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

Some cameras are pictures.  
 Some pictures are monkeys.

**Conclusions:**

(I) Some cameras are monkeys.  
 (II) All monkeys are pictures.

- A. Only conclusion (II) follows  
 B. Both conclusions (I) and (II) follow  
 C. Neither conclusion (I) nor (II) follows ✓  
 D. Only conclusion (I) follows



**Q8 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FOL ZIF TCZ NWT ?

A. HNY

B. HON

C. HQN

D. HNJ

**Q9 Reasoning**

What should come in place of '?' in the given series based on the English alphabetical order?

MAI PEN SIS VMX ?

A. APD

B. YQC

C. ZRC

D. ZRD

**Q10 Reasoning**

In a certain code language,  
 $A \times B$  means 'A is the mother of B',  
 $A - B$  means 'A is the brother of B',  
 $A + B$  means 'A is the wife of B' and  
 $A * B$  means 'A is the father of B'.

How is H related to J if 'H - I + O \* D x J'?

A. Mother's mother's brother

B. Mother's mother's father

C. Son

D. Husband

**Q11 Reasoning**

In a certain code language, 'FAME' is coded as '8341' and 'FEAL' is coded as '6438'.

What is the code for 'L' in the given code language?

A. 3

B. 4

C. 6

D. 8

**Q12 Reasoning**

Seven people, U, T, E, N, S, I and L, are sitting in a row, facing the north.

Only E sits to the left of N. Only four people sit between E and T.

Only U sits between I and L and I is not an immediate neighbor of T.

Who sits at the extreme right of the line?

A. N

B. S

C. L

D. U

**Q13 Reasoning**

Seven boxes L, M, N, O, P, Q and R are kept one over the other but not necessarily in the same order. Only one box is kept between R and O. R is kept on one of the positions above O. Box N is kept immediately below L. Q is placed at the topmost position. Exactly three boxes are kept between P and M. P is kept on one of the positions above M. Box M is kept immediately above O. Which box is kept fourth from the top?

A. M

B. N

C. L

D. P

**Q14 Reasoning**

A, B, C, D, S, T and U are sitting around a circular table, facing the centre of the table. Only three people sit between B and C, when counted from the left of B. Only three people sit between U and T, when counted from the right of T. D sits to the immediate right of U. A is an immediate neighbor of T as well as C. Who sits second to the left of S?

A. A

B. U

C. T

D. C

**Q15 Reasoning**

What should come in place of '?' in the given series?

70 80 ? 106 122 140

A. 100

B. 96

C. 92

D. 94

**Q16 Reasoning**

Seven boxes, A, B, C, D, E, F and G, are kept one over the other but not necessarily in the same order. Only two boxes are kept above F. Only three boxes are kept below C. B is kept above G but below D. E is kept immediately above F but below A. How many boxes are kept between A and C?

A. One

B. Three

C. None

D. Two **Q17 Reasoning**

In a certain code language, 'MOPS' is coded as '5863' and 'POEM' is coded as '8765'. What is the code for 'E' in the given code language?

A. 7 

B. 5

C. 6

D. 8

**Q18 Reasoning**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. OLM 

B. AWY

C. CYA

D. EAC

**Q19 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All kings are buttons. No pants are kings.

Conclusion (I): All buttons are kings.

Conclusion (II): Some buttons are not pants.

A. Only conclusion (II) follows 

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

**Q20 Reasoning**

In a certain code language,  
 $A \div B$  means 'A is the son of B',  
 $A \# B$  means 'A is the wife of B',  
 $A + B$  means 'A is the brother of B' and  
 $A \& B$  means 'A is the father of B'.

How is S related to H if ' $S \div D \& R \# Y + H$ '?

A. Wife's brother

B. Brother's wife's father

C. Brother's brother

D. Brother's wife's brother **Q21 Reasoning**

All 195 people are standing in a row facing north. Rt is 143rd from the left end while Kl is 36th from the right end. How many people are there between Rt and Kl?

A. 12

B. 13

C. 16 

D. 14

**Q22 Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$14 - 2 \times 48 + 3 \div 7 = ?$$

A. 14

B. 19 

C. 23

D. 7

**Q23 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(2, 11, 31)

(13, 10, 41)

A. (29, 19, 56)

B. (6, 1, 25) 

C. (10, 20, 50)

D. (8, 22, 45)

**Q24 Reasoning**

If + means -, - means  $\times$ ,  $\times$  means  $\div$ , and  $\div$  means +, then what will come in place of the question mark (?) in the following equation?

$$38 - 25 \div 133 + 703 \times 19 = ?$$

A. 1046 B. 1052 C. 1156 D. 1191 **Q25 Reasoning**

What should come in place of '?' in the given series?

486 441 401 366 336 ?

A. 313 B. 310 C. 312 D. 311 **Q26 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

CIF IOL OUR UAX ?

A. MFY B. AGD C. STH D. FYH **Q27 Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

QMO-KGI

RNP-LHJ

A. KFG-DZB B. KGI-EAC C. KGI-DAB D. KFG-EAC **Q28 Reasoning**

Sitara starts from Point A and drives 23 km towards the west. He then takes a left turn, drives 24 km, turns left and drives 33 km. He then takes a left turn and drives 34 km. He takes a final left turn, drives 10 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 8 km to the south B. 9 km to the north C. 10 km to the south D. 11 km to the east **Q29 Reasoning**

If + means -, - means  $\times$ ,  $\times$  means  $\div$ , and  $\div$  means +, then what will come in place of the question mark (?) in the following equation?

$$9 - 4 + 45 \times 5 \div 3 = ?$$

A. 30 B. 25 C. 20 D. 35 **Q30 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. AI - ZF B. QC - PY C. TL - SI D. GY - FV

## Reasoning

## Q1 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. UX-QR B. QT-MO C. SV-OQ D. OR-KM 

## Q2 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)16071

A. ZB - PH B. UW-MC C. MO - EU D. SU-KA 

## Q3 Reasoning

What should come in place of the '?' in the given series?

7 11 20 24 46 50 ?

A. 98 B. 96 C. 100 D. 102 

## Q4 Reasoning

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 3 5 8 9 7 4 1 5 9 6 2 3 6 5 8 7 4 1 5 9 8 6 3 2 1 5 4 7 8 4 1 2 5 9 8 7 4 1 5 6 2 3 9 8 7 8 9 7 5 1(Right)

How many such odd digits are there, each of which is immediately preceded by a perfect cube and immediately followed by an even digit? (NOTE: 1 is also a perfect cube.)

A. 5 B. 4 C. 6 D. 8 

## Q5 Reasoning

If 'A' stands for '+', 'B' stands for '-', 'C' stands for '×', and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

25 A 51 D 3 B 6 C 5 = ?

A. 15 B. 12 C. 14 D. 10 

## Q6 Reasoning

Mr. Vasu starts from Point A and drives 23 km towards the south. He then takes a left turn, drives 19 km, turns left and drives 36 km. He then takes a left turn and drives 19 km, turns left drives 9 km. He then takes a right turn and drives 5 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the east B. 8 km to the north C. 4 km to the west D. 7 km to the south 

## Q7 Reasoning

Seven boxes, B, C, D, E, Q, R and S, are kept one over the other, but not necessarily in the same order. Only one box is kept above E. Only two boxes are kept between C and E. B is kept immediately above E. Only Q is kept immediately below S. D is kept at some place below B and at some place above R. How many boxes are kept between B and S?

A. One B. Three C. Two D. Four 

## Q8 Reasoning

In a row of 122 students facing north, Ccd is 54th from the right end. If Vks is 17th to the left of Ccd, what is Vks's position from the left end of the line?

A. 53rd B. 56th C. 54th D. 52nd

**Q9 Reasoning**

MJ 8 is related to OM -6 in a certain way. In the same way, RW 12 is related to TZ -2. To which of the following is UR 1 related, following the same logic? 14118

A. YT -10

B. UH -5

C. WU -13 

D. KKO -12

**Q13 Reasoning**

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

$$81 A 3 D 7 B 2 C 16 = ?$$

A. 21

B. 24

C. 29 

D. 32

**Q10 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FHD GIE HJF IKG ?

A. JKG

B. JMG

C. JKM

D. JLH **Q14 Reasoning**

In a certain code language,

A % B means 'A is the sister of B'

A € B means 'A is the son of B'

A = B means 'A is the father of B'

A ? B means 'A is the daughter of B'

Based on the above, how is B related to X if 'B % C ? O € P = X'?

A. Mother's mother

B. Wife

C. Mother

D. Brother's daughter **Q11 Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some poets are writers. All writers are dreamers.

Conclusions:

(I) Some dreamers are poets.

(II) All poets are dreamers.

A. Only conclusion (II) follows

B. Only conclusion (I) follows 

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

**Q15 Reasoning**

In a certain code language, 'DOLT' is coded as '4963' and 'LOTS' is coded as '6435'. What is the code for 'S' in the given code language? 1194

A. 3

B. 4

C. 5 

D. 6

**Q12 Reasoning**

Seven people H, I, J, K, W, Y and Z are sitting around a circular table facing the center of the table. Only one person sits between H and W when counted from the left of W. Z sits third to the right of I. J sits third to the left of K. Z sits to the immediate right of J. Y is not an immediate neighbor of J. How many people sit between Y and W when counted from the right of Y?

A. One

B. Four

C. Three 

D. Two

**Q16 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

All tigers are chairs.

All chairs are monks.

**Conclusions:**

(I) Some monks are chairs.

(II) All tigers are monks.

A. Both conclusions (I) and (II) follow 

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (II) follows

**Q17 Reasoning**

FR 6 is related to KN -6 in a certain way. In the same way, LU 9 is related to QQ -3. To which of the following is LS 14 related, following the same logic? 9943

A. YT 8

B. PR 0

C. QO 2 

D. GT 6

**Q18 Reasoning**

Which two numbers should be interchanged to make the given equation correct?

$$(28 \div 4) \times 6 + 14 \times 3 - 7 \times 9 + (66 \div 2) + 38 = 67$$

A. 4 and 7

B. 6 and 3

C. 2 and 6

D. 2 and 3 **Q19 Reasoning**

Av, Bg, Ck, Dq, Et, Fx and Gp are sitting around a circular table, facing the centre.

Bg sits second to the right of Av. Gp sits second to the left of Av. Dq sits third to the right of Gp. Ck sits to the immediate right of Fx.

How many people sit between Et and Ck when counted from the left of Et?

A. None

B. Three

C. One 

D. Two

**Q20 Reasoning**

What should come in place of the '?' in the given series?

8 6 9 23 87 ?

A. 421

B. 437

C. 429 

D. 433

**Q21 Reasoning**

In a certain code language,

A \$ B means 'A is the father of B',

A @ B means 'A is the sister of B',

A # B means 'A is the wife of B' and

A & B means 'A is the brother of B'.

How is L related to T if 'L # I \$ G @ H & T'?

A. Brother

B. Mother 

C. Daughter

D. Sister

**Q22 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. MJ - IF

B. RF - NB

C. XA - TU 

D. PL - LH

**Q23 Reasoning**

What should come in place of '?' in the given series based on the English alphabetical order?

URW GDI SPU EBG ?

A. PLR

B. LIN

C. NJP

D. QNS **Q24 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GAO 81 , EYM 75 , CWK 69 , AUI 63 , ?

A. YRJ 50

B. XSF 52

C. XRF 55

D. YSG 57

**Q25 Reasoning**

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 7 5 9 2 7 9 4 1 5 1 7 8 3 2 8 4 1 2 3 8 2 7 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

- A. Three
- B. One
- C. Two
- D. None

**Q26 Reasoning**

In a certain code language, 'VIBE' is coded as '4395' and 'BITE' is coded as '5914'. What is the code for 'T' in the given code language?

- A. 9
- B. 5
- C. 4
- D. 1

**Q27 Reasoning**

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

QVI : KZJ

USH : OWI3146

- A. LQG : FUH
- B. BRH : VVF
- C. CNK : WRJ
- D. AHL : UMK

**Q28 Reasoning**

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 9 6 3 1 8 7 2 9 5 6 1 4 7 5 3 4 5 6 2 6 8 7 2 3 7 6 5 8 (Right)

How many such even digits are there which are immediately preceded by a perfect square and immediately followed by an odd digit?

(NOTE: 1 is also a perfect square.)

- A. Three
- B. One
- C. More than three
- D. Two

**Q29 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(14, 7, 21)

(56, 28, 42)

- A. (346, 173, 188)
- B. (242, 121, 134)
- C. (114, 57, 72)
- D. (62, 31, 45)

**Q30 Reasoning**

In a row of 15 students facing the north, Yusuf is 10<sup>th</sup> from the right end. If Suman is 4<sup>th</sup> to the left of Yusuf, what is Suman's position from the left end of the line?

- A. 4th
- B. 1st
- C. 2nd
- D. 3rd

## Reasoning

## Q1 Reasoning

In a certain code language,  
 $A \div B$  means 'A is the son of B',  
 $A \# B$  means 'A is the wife of B',  
 $A + B$  means 'A is the brother of B' and  
 $A \& B$  means 'A is the father of B'.

How is S related to H if ' $S \div D + R \# Y \& H$ '?

- A. Brother's son  
 B. Mother's brother's son ✓  
 C. Father's father  
 D. Mother's brother

## Q2 Reasoning

R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table.

Only one person sits between G and E when counted from the left of E. D sits third to the right of N. R sits third to the left of I. D sits to the immediate right of R. A is not an immediate neighbor of R.

How many people sit between A and E when counted from the right of A?

- A. Three ✓  
 B. Two  
 C. One  
 D. Four

## Q3 Reasoning

In a certain code language, 'cap room apple' is coded as 'og uv bc' and 'apple queen book' is coded as 'wd og ex'. How is 'apple' coded in the given language?

- A. uv  
 B. og ✓  
 C. wd  
 D. bc

## Q4 Reasoning

What should come in place of '?' in the given series?

7 16 29 51 77 112 ?

- A. 150  
 B. 160  
 C. 161  
 D. 151 ✓

## Q5 Reasoning

If 'P' stands for ' $\div$ ', 'R' stands for ' $\times$ ', 'S' stands for '+' and 'Q' stands for ' $\div$ ', then what will come in place of the question mark (?) in the following equation?

$109 S 256 P 8 Q 2 R 17 Q 58 = ?$

- A. 57  
 B. 81  
 C. 49 ✓  
 D. 23

## Q6 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

LNK NPM PRO RTQ ?

- A. TWR  
 B. TVS ✓  
 C. TUW  
 D. TUR

## Q7 Reasoning

R, E, A, D, I, N and G are sitting around a circular table, facing the centre of the table.

Only three people sit between G and A when counted from the left of G. Only three people sit between N and E when counted from the right of E. R sits to the immediate right of N. I is an immediate neighbor of E as well as A.

Who sits second to the left of D?

- A. R  
 B. N  
 C. I ✓  
 D. A

## Q8 Reasoning

In a certain code language,

$A \neq B$  means 'A is the sister of B'

$A * B$  means 'A is the father of B'

$A ; B$  means 'A is the son of B'

$A + B$  means 'A is the wife of B'

Based on the above, how is F related to O if ' $F \neq G ; H + M * O$ '?

- A. Brother's wife  
 B. Wife  
 C. Husband's father's sister  
 D. Sister ✓

### Q9 Reasoning

Refer to the following letter series and answer the question.

(Counting to be done from left to right only)

(Left) Y O W G U R C X Z H M E S I K A Q D F T B (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 3

B. 1

C. 4

D. 2

### Q10 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)12788

A. DHG

B. ZDC

C. XBA

D. HMK

### Q11 Reasoning

Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order.

K is kept third from the bottom. Only one box is kept above R. Only one box is kept between R and Q. J is kept immediately above L. I is kept at some place below S.

How many boxes are kept between S and J?

A. Two

B. Three

C. Four

D. One

### Q12 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. YCA

B. VZX

C. ZDB

D. BGD

### Q13 Reasoning

Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

KF - MH - NP

MH - OJ - PR1474

A. QL - SN - TV

B. QL - SN - TU

C. RL - SM - TU

D. RL - SN - TU

### Q14 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. A is kept second from the bottom. Only three boxes are kept between A and G. F is kept at one of the positions below A. Only E is kept between G and D. C is kept at one of the positions above G. How many boxes are kept between A and D?51

A. 4

B. 1

C. 3

D. 2

### Q15 Reasoning

What will come in place of '?' in the following equation, if '+' and 'x' are interchanged and '-' and '÷' are interchanged?

$$8 + 3 \div 116 - 4 \times 18 = ?$$

A. 19

B. 22

C. 13

D. 15

### Q16 Reasoning

Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

OURS - UROS - ROUS

SAME - AMSE - MSAE

A. HEAD-ADHE-DHAE

B. FEAR-EAFR-AFER

C. THEY-HEYT-TYEH

D. SELF-ELFS-LFSE

### Q17 Reasoning

Mr. Yorly starts from Point A and drives 4 km towards South. He then takes a left turn, drives 23 km, turns left and drives 8 km. He then takes a left turn and drives 41 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

- A. 20 km to the North
- B. 19 km to the West
- C. 18 km to the East ✓
- D. 21 km to the South

### Q18 Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$1 \div 1 \times 1 + 2 - 49 = ?$$

- A. 46
- B. 49
- C. 50
- D. 48 ✓

### Q19 Reasoning

LEMO is related to RJST in a certain way based on the English alphabetical order. In the same way, JYKI is related to PDQN. To which of the following options is BNCX related, following the same logic?

- A. SHIK
- B. KISH
- C. HSIK ✓
- D. CISH

### Q20 Reasoning

What should come in place of the '?' in the given series?

$$232 ? 204 288 176 316$$

- A. 240
- B. 260 ✓
- C. 270
- D. 250

### Q21 Reasoning

In a certain code language, 'world chest food' is coded as 'rn lu vd' and 'food sing sheep' is coded as 'bx rn ph'. How is 'food' coded in the given language?

- A. lu
- B. bx
- C. vd
- D. rn ✓

### Q22 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(156, 204, 366)  
(150, 162, 318)

- A. (142, 165, 307)
- B. (182, 164, 352) ✓
- C. (204, 101, 309)
- D. (172, 141, 317)

### Q23 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

XBU TXQ PTM LPI ?

- A. APT
- B. KFO
- C. SEL
- D. HLE ✓

### Q24 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

NSL HMF BGZ VAT ?

- A. PNU
- B. PIN
- C. PNK
- D. PUN ✓



### Q25 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All apples are fruits. Some fruits are sweet.

Conclusions

(I) Some apples are sweet.

(II) All fruits are apples.

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (I) follows

### Q26 Reasoning

Refer to the following letter series and answer the question.

(Left) L U H T R B F G A O D Q S I X M C K W (Right)

How many letters are there in the English alphabetical series between the letter which is sixth from the right end and seventh from the left end of the series?

A. Three

B. Five

C. Two

D. Four

### Q27 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. NQT

B. BEG

C. PSV

D. DGJ

### Q28 Reasoning

Each letter in the word PROVIDE is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is fourth from the right in the new letter cluster thus formed?

A. 8

B. 6

C. 9

D. 5

### Q29 Reasoning

Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order.

Only K is kept above R. Only S is kept between R and I. Only J is kept below L.

How many boxes are kept between Q and R?

A. Four

B. Two

C. Three

D. One

### Q30 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

Some foods are rains.

All tables are rains.

**Conclusions:**

(I) Some foods are tables.

(II) All rains are tables.

A. Only conclusion (I) follows

B. Only conclusion (II) follows

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

## Reasoning

## Q1 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?  
GJL ORT WZB EHJ ?

- A. MNP  
B. MQQ  
C. MOQ  
D. MPR



## Q2 Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All gloves are bandages. No glove is a sling.  
Conclusion (I) : Some slings are bandages  
Conclusion (II) : All bandages are slings

- A. Both conclusions (I) and (II) follow  
B. Only conclusion (II) follows  
C. Neither conclusion (I) nor (II) follows  
D. Only conclusion (I) follows



## Q3 Reasoning

Each vowel in the word CONTAIN is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be third from the left in the new group of letters thus formed?9624

- A. M  
B. O  
C. L  
D. N



## Q4 Reasoning

What should come in place of the '?' in the given series?

19 36 59 94 147 ?

- A. 226  
B. 220  
C. 224  
D. 228



## Q5 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

XK253, UO236, RS219, ?

- A. NW206  
B. MV208  
C. OW202  
D. OV204



## Q6 Reasoning

What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$12 - 50 \div 2 \times 2 + 15 = ?$

- A. 45  
B. 47  
C. 49  
D. 48



## Q7 Reasoning

RWFG is related to OTCD in a certain way based on the English alphabetical order. In the same way, FK TU is related to CHQR. To which of the following options is WBKL related, following the same logic?13385

- A. TUHO  
B. TYHI  
C. THYU  
D. THYI



## Q8 Reasoning

In a certain code language, 'car event stop' is coded as 'mb mj gs' and 'stop van lime' is coded as 'ii mb rb'. How is 'stop' coded in the given language?

- A. mb  
B. mj  
C. gs  
D. ii



**Q9 Reasoning**

In a certain code language,  
 A # B means 'A is the daughter of B',  
 A @ B means 'A is the brother of B',  
 A ! B means 'A is the wife of B' and  
 A & B means 'A is the father of B'.

How is N related to V if 'N @ K # S & R ! V'?

- A. Son
- B. Wife's father
- C. Husband
- D. Wife's brother

**Q10 Reasoning**

In a certain code language, 'DESK' is coded as '2794' and 'KIDS' is coded as '6924'. What is the code for 'I' in the given code language?  
 860

- A. 4
- B. 2
- C. 6
- D. 9

**Q11 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
 BLE 6 UEX 11 NXQ 16 GQJ 21 ?

- A. ZJC 26
- B. XHE 26
- C. ZFB 25
- D. YLI 25

**Q12 Reasoning**

What should come in place of '?' in the given series?

28 33 44 61 84 113 ?

- A. 148
- B. 140
- C. 143
- D. 137

**Q13 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

91, 184  
 88, 178

- A. 92, 184
- B. 99, 200
- C. 76, 152
- D. 104, 218

**Q14 Reasoning**

Aj, Bv, Cu, Dq, Em, Fh and Gt are sitting around a circular table, facing the centre.

Gt sits third to the left of Fh. Em sits second to the left of Fh. Bv sits third to the right of Em. Aj is the immediate neighbour of Cu and Gt. How many people sit between Dq and Aj when counted from the left of Aj?

- A. Two
- B. Three
- C. Four
- D. One

**Q15 Reasoning**

Each letter in the word PREDIAL is changed to the letter immediately following it in the English alphabetical order and then all the letters thus obtained are arranged in the English alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

- A. J
- B. F
- C. E
- D. M



### Q16 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some stones are minerals. All minerals are elements.

Conclusions

(I) Some elements are stones.

(II) All stones are minerals.

A. Only conclusion (II) follows

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

### Q17 Reasoning

In a row of 35 people facing the north, Geeta is 15<sup>th</sup> from the right end. If Nalini sits 14<sup>th</sup> to the left of Geeta, what is Nalini's position from the left end of the row?

A. 9th

B. 4th

C. 5th

D. 7th

### Q18 Reasoning

In a certain code language,

A @ B means 'A is the mother of B',

A × B means 'A is the wife of B',

A + B means 'A is the brother of B' and

A ÷ B means 'A is the father of B'.

How is S related to H if 'S × D ÷ R @ Y + H'?

A. Sister

B. Mother

C. Mother's mother

D. Mother's sister

### Q19 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. UG - QC

B. RF - NB

C. RK - OG

D. MJ - IF

### Q20 Reasoning

Town X is to the south of Town Y. Town Z is to the west of Town X. Town P is to the north of Town Z. Town Q is to the east of Town P. Town Y is to the north-west of Town Q. What is the position of Town X with respect to Town Q?

A. North-east

B. South-west

C. South-east

D. North-west

### Q21 Reasoning

Sima ranked 12th from the top and 13th from the bottom in her class. How many students are there in her class?

A. 20

B. 23

C. 24

D. 22

### Q22 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. GHL

B. FGK

C. EFJ

D. YAD

### Q23 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Exactly two boxes are kept between E and B. B is kept on one of the positions above E. C is kept at the bottommost position. Box G is kept immediately above E. Exactly two boxes are kept between D and G. Only one box is kept below F. Which box is immediately below B?

A. E

B. F

C. A

D. G

#### Q24 Reasoning

BGLQ is related to CHMR in a certain way based on the English alphabetical order. In the same way, VAFX is related to WBGY. To which of the following is PUZE related, in the same way?

- A. QVAF
- B. QVRT
- C. QVJK
- D. QVLP

#### Q25 Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$43 - 85 \times 5 + 10 \div 3 = ?$$

- A. 30
- B. 35
- C. 32
- D. 38

#### Q26 Reasoning

If 'P' stands for 'x', 'Q' stands for '+', 'R' stands for '-' and 'S' stands for '÷', what will come in place of the question mark '?' in the following equation?

$$78 \text{ Q } 3 \text{ S } (55 \text{ Q } 5) \text{ P } 4 \text{ R } 16 \text{ P } 5 \text{ S } 65 = ?$$

- A. 49
- B. 55
- C. 35
- D. 70

#### Q27 Reasoning

Refer to the given letter series and answer the question that follows. Counting to be done from left to right only.

(Left) O E D F F B G F G I Y U I L V U Y T S V T (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

- A. Three
- B. None
- C. One
- D. Two

#### Q28 Reasoning

Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. Only three people sit between G and F when counted from the right of F. Q sits to the immediate right of G. Only three people sit between Q and M when counted from the left of Q. O sits to the immediate right of H. How many people sit between L and H when counted from the left of H?

- A. Four
- B. Three
- C. One
- D. Two

#### Q29 Reasoning

ORVS is related to QTXU in a certain way based on the English alphabetical order. In the same way, PSWT is related to RUYV. To which of the following is HKOL related, following the same logic? 13913

- A. JMPN
- B. JMQN
- C. JNPW
- D. JLPN

#### Q30 Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. MPIE
- B. TWQM
- C. CFZV
- D. KNHD

## Reasoning

## Q1 Reasoning

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 3 5 1 5 9 5 3 4 6 4 8 5 1 3 2 9 6 6 6 3 6 8 7 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. Two



B. One

C. Four

D. Three

## Q2 Reasoning

Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

LG - OJ - QS

OJ - RM - TV1472

A. ID - LG - NP



B. JD - LG - NO

C. ID - LG - NO

D. JD - LH - NO

## Q3 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TL - NX

B. JB - DN

C. DV - PH



D. NF - HR

## Q4 Reasoning

Mr. Vasu starts from Point A and drives 25 km towards the West. He then takes a left turn, drives 15 km, turns left and drives 51 km. He then takes a left turn, drives 28 km, turns left and drives 14 km. He then takes a left turn and drives 6 km. He takes a final right turn, drives 12 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 10 km to the East

B. 9 km to the West

C. 7 km to the South



D. 8 km to the North

## Q5 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: No Race Cars are Tractors. Some Tractors are Trains.

Conclusion I: No Race Cars are Trains.

Conclusion II: Some Race Cars are Trains.

A. Neither conclusion (I) nor (II) follows



B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

## Q6 Reasoning

Six boxes, R, S, T, U, V and X, are kept one over the other, but not necessarily in the same order.

Only one box is kept below S. Only one box is kept above U. Only one box is kept between U and V. T is kept immediately below S. R is kept at some place below X.

How many boxes are kept between X and T?

A. Three

B. One

C. Four



D. Two



### Q7 Reasoning

In a certain code language, 'rest restores energy' is coded as 'rk fj mg' and 'positive energy attracts' is coded as 'tw es fj'. How is 'energy' coded in the given language?

- A. mg
- B. fj
- C. es
- D. rk

### Q8 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)9142

- A. UXZ
- B. DGI
- C. LOQ
- D. ZDE

### Q9 Reasoning

Seven boxes, G, H, I, J, L, M and N, are kept one over the other, but not necessarily in the same order.

Box I is kept at the third position from the top. Box N is kept at the third position from the bottom. Only three boxes are kept between N and J. Only three boxes are kept between I and H. Box M is kept at a position somewhere above L.

Which box is kept at the bottom?

- A. H
- B. I
- C. L
- D. J

### Q10 Reasoning

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 8 2 6 6 3 1 8 6 4 2 2 8 4 3 4 9 9 3 7 4 6 1 6 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. Two
- B. None
- C. One
- D. Three

### Q11 Reasoning

MKPT is related to QOTX in a certain way based on the English alphabetical order. In the same way, ENSU is related to IRWY. To which of the following is DHGR related, following the same logic? 14652

- A. FJIT
- B. HDRG
- C. HLKV
- D. QEIY

### Q12 Reasoning

Each of the digits in the number 3219854 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. NONE
- B. THREE
- C. TWO
- D. ONE

### Q13 Reasoning

Refer to the following letter series and answer the question that follows.

(Left) X P S A D U G L O E J F K I M C R T Q (Right)

How many letters are there in the English alphabetical series between the letter which is fifth from the right end and third from the left end of the series?11609

- A. Seven
- B. Five
- C. Six
- D. Four

### Q14 Reasoning

In a certain code language, 'PWEA' is coded as '90' and 'QAMT' is coded as '102'. What is the code for 'LJCV' in the given code language?

- A. 91
- B. 86
- C. 94
- D. 97

### Q15 Reasoning

Each of the digits in the number 3184657 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. One



B. Two

C. None

D. Three

### Q16 Reasoning

Seven people P1, P2, P3, P4, P5, P6 and P7 are sitting around a circular table facing towards the centre of the table. P5 sits to the immediate left of P6. There are exactly two people between P1 and P6 when checked from right of P6. P3 is sitting immediately between P2 and P1. P7 is sitting immediately between P4 and P5. How many people are sitting between P4 and P6 when checked from left of P6?

A. Two



B. Four

C. One

D. Three

### Q17 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: Some Power Saws are Chisels. Some Chisels are Wrenches.

Conclusion (I): Some Power Saws are Wrenches.

Conclusion (II): No Power Saws are Wrenches.

A. Neither conclusion (I) nor (II) follows



B. Only conclusion (I) follows

C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow

### Q18 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

FEL 17, KIQ 21, PMV 25, UQA 29, ?

A. YVG 32

B. ZVG 33

C. YUF 32

D. ZUF 33



### Q19 Reasoning

In a certain code language,  
A = B means 'A is the son of B',  
A \$ B means 'A is the sister of B',  
A @ B means 'A is the wife of B' and  
A \* B means 'A is the father of B'.

How is W related to G if 'W = F \$ K \* L @ G'?

A. Sister's son

B. Wife's father's sister's son



C. Wife's sister's son

D. Father's sister's son

### Q20 Reasoning

What should come in place of '?' in the given series?

56 57 ? 70 86 111

A. 64

B. 61



C. 63

D. 62

### Q21 Reasoning

Seven people H, I, J, K, W, Y and Z are sitting around a circular table facing the centre of the table. K sits third to the left of Z. Only two people sit between J and K when counted from the right of J. Only three people sit between J and I. H sits to the immediate left of W. Who sits third to the left of Y?

A. I

B. W



C. H

D. K

### Q22 Reasoning

Amrita is the sister of Bablu. Bablu is the brother of Deepak. Deepak is the son of Malti and Malti is the wife of Lakhan. Nehal is the brother of Lakhan. How is Nehal related to Amrita?

A. Son

B. Mother's brother

C. Brother

D. Father's brother



### Q23 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(18, 6, 217)  
(21, 6, 253)

A. (23, 6, 276)

B. (24, 6, 287)

C. (22, 5, 220)

D. (23, 4, 185) ✓

### Q24 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. RON

B. YVU

C. LIH

D. CAY ✓

### Q25 Reasoning

In a row of 25 students facing North, Vinayak is 13th from the right end. If Utkarsh is 4th to the left of Vinayak, what is Utkarsh's position from the left end of the row?

A. 8th

B. 9th ✓

C. 4th

D. 6th

### Q26 Reasoning

Each of the digits in the number 8254316 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. One

B. None

C. Two ✓

D. Three

### Q27 Reasoning

What should come in place of '?' in the given series?

8 ? 29 50 78 113

A. 16

B. 14

C. 15 ✓

D. 18

### Q28 Reasoning

What should come in place of the question mark (?) in the given series to make it logically complete?

Q18N O23P M28R K33T ?

A. J40U

B. J36V

C. I38V ✓

D. I38U

### Q29 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

MLJ HGE CBZ XWU ?

A. SRP ✓

B. SQO

C. STV

D. SSO

### Q30 Reasoning

DO 9 is related to FL -5 in a certain way. In the same way, EQ 3 is related to GN -11. To which of the following is KH 6 related, following the same logic? 9945

A. NI -14

B. GY -11

C. ME -8 ✓

D. IE -7

## Reasoning

## Q1 Reasoning

What should come in place of '?' in the given series based on the English alphabetical order?

KFS GBO CXK YTG ?

- A. VSF
- B. VWD
- C. WDG
- D. UPC



## Q2 Reasoning

What should come in place of '?' in the given series?

41 53 66 80 95 111 ?

- A. 128
- B. 123
- C. 134
- D. 131



## Q3 Reasoning

Each vowel in the word LIMEADE is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

- A. Three
- B. Zero
- C. One
- D. Two



## Q4 Reasoning

In a certain code language, 'watch bow third' is coded as 'ft gb vs' and 'canoe watch art' is coded as 'vs rp hr'. How is 'watch' coded in the given language?

- A. gb
- B. vs
- C. ft
- D. rp



## Q5 Reasoning

In a certain code language,  
 $A @ B$  means 'A is the mother of B',  
 $A \times B$  means 'A is the wife of B',  
 $A + B$  means 'A is the brother of B' and  
 $A \div B$  means 'A is the father of B'.

How is S related to H if ' $S \times D \div R + Y @ H$ '?

- A. Mother's sister
- B. Sister
- C. Mother's mother
- D. Mother



## Q6 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some wings are toys. No toys are pens.

Conclusion (I): No pens are wings.

Conclusion (II): Some wings are not pens.

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (I) follows
- C. Only conclusion (II) follows
- D. Both conclusions (I) and (II) follow



## Q7 Reasoning

In a certain code language,  
 $A + B$  means 'A is the sister of B',  
 $A - B$  means 'A is the wife of B',  
 $A \times B$  means 'A is the father of B', and  
 $A \div B$  means 'A is the mother of B'.

Based on the above, how is U related to Y if ' $U - V \times W + X \div Y$ '?

- A. Mother's mother
- B. Father's mother
- C. Mother's sister
- D. Father's sister



**Q8 Reasoning**

Town J is to the west of Town T. Town R is to the east of Town T. Town K is to the south of Town R. Town M is to the west of Town K. Town M is to the south-west of Town T. Town J is to the north of Town M. What is the position of Town J with respect to Town K?

- A. South-west
- B. South-east
- C. North-west
- D. North-east

**Q9 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
EAW 87 ZVR 75 UQM 63 PLH 51 ?

- A. KHB 39
- B. KGC 39
- C. KSB 38
- D. KFB 38

**Q10 Reasoning**

KEGJ is related to RLNQ in a certain way based on the English alphabetical order. In the same way, NHJM is related to UOQT. To which of the following is QKMP related, following the same logic?  
15750

- A. RXWT
- B. XRWT
- C. XRTW
- D. RXTW

**Q11 Reasoning**

Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order. Only four boxes are kept between Q and O. Only P is kept above Q. Only two boxes are kept between N and R. S is kept immediately above M. R is not kept immediately above S. Which box is kept fourth from the top?

- A. S
- B. P
- C. O
- D. M

**Q12 Reasoning**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

CFG : GJK ;  
KMP : OQT

- A. GNP : KRT
- B. ACH : BDI
- C. LMI : NOK
- D. DJL : AGI

**Q13 Reasoning**

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of the question mark '?' in the following equation?

2 B 32 A 1 D 1 C 45 = ?

- A. 106
- B. 110
- C. 108
- D. 109

**Q14 Reasoning**

Refer to the following letter series and answer the question. (Counting to be done from left to right only)  
(Left) D F T B M E Q Y O W G U S I K A R C X Z H (Right)  
How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

- A. 5
- B. 3
- C. 4
- D. 2

**Q15 Reasoning**

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 4 9 6 5 9 9 7 7 9 7 9 3 6 2 1 2 1 6 9 1 7 4 7 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. Four
- B. Two
- C. Three
- D. One

**Q16 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. XD - UB

B. UC -RA

C. TG - QE

D. ZI - WF **Q17 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

19, 229

22, 265

A. 26, 314

B. 24, 252

C. 23, 278

D. 28, 337 **Q18 Reasoning**

In a certain code language, 'know city routes' is coded as 'ha mi ko' and 'city lights beautiful' is coded as 'ly ha jh'. How is 'city' coded in the given language?

A. ha 

B. jh

C. ko

D. ly

**Q19 Reasoning**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)12348

A. YAD

B. SUX

C. MOR

D. EHJ **Q20 Reasoning**

Each of the digits in the number 5421389 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. NONE

B. ONE

C. TWO 

D. THREE

**Q21 Reasoning**

What should come in place of the '?' in the given series?

8 22 64 134 232 ?

A. 385

B. 358 

C. 345

D. 354

**Q22 Reasoning**

In a row of 46 people facing the north, Batul sits 33<sup>rd</sup> from the right end. If Jaya sits 31<sup>st</sup> from the left end of the row, how many people sit between Batul and Jaya?

A. 14

B. 13

C. 16 

D. 18

**Q23 Reasoning**

If 'A' stands for '+', 'B' stands for '-', 'C' stands for '×' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

40 D 5 A 8 C 2 B 12 = ?

A. 16

B. 12 

C. 10

D. 14

#### Q24 Reasoning

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

JTT : OQS

NQS : SNR3657

A. VMK : QKJ

B. SGD : NDB

C. EOR : JLQ



D. TUJ : ORK

#### Q25 Reasoning

Seven people, U, T, E, N, S, I and L, are sitting in a row, facing the north.

Only five people sit between I and L. S sits to the immediate left of L.

Only one person sits between S and N. U sits at some place to the left of E but at some place to the right of T.

Who sits third from the left end of the line?

A. T

B. U



C. N

D. E

#### Q26 Reasoning

Seven people, Manu, Neha, Ojas, Pooja, Shina, Tina and Upendra, are sitting around a circular table, facing the centre. Neha sits second to the left of Ojas. Upendra sits second to the left of Neha. Tina sits to the immediate left of Shina. Manu is not an immediate neighbour of Upendra.

How many people sit between Manu and Upendra, when counted from the left of Manu?

A. One

B. Three

C. Two



D. None

#### Q27 Reasoning

Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept above O. Only three boxes are kept between O and S. Only one box is kept between Q and M. M is kept immediately above S. Only four boxes are kept between Q and P. R is kept at some place above N. Which box is kept second below R?8097

A. O

B. Q

C. N

D. S



#### Q28 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

JKA KNF LQK MTP ?

A. MNG

B. MKJ

C. NWU



D. OIU

#### Q29 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)3673

A. XTW

B. IEH

C. NJM

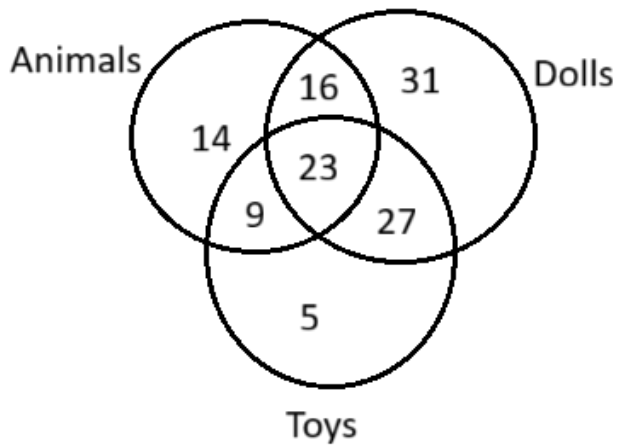
D. GEF



**Q30 Reasoning**

Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)

How many such Animals are there which are also Toys but are not Dolls?



A. 5

B. 9

C. 16

D. 31



## Reasoning

## Q1 Reasoning

Each vowel in the word WRENCHINGLY is changed to the letter immediately following it in the English alphabetical order AND each consonant is changed to the second letter preceding it in the English alphabetical order. How many letters will appear exactly twice in the group of letters thus formed?

- A. Four
- B. Two
- C. Three ✓
- D. One

## Q2 Reasoning

In a certain code language, 'zebra peak blue' is coded as 'sr dt tx' and 'bee zebra chest' is coded as 'dt bm qb'. How is 'zebra' coded in the given language?

- A. tx
- B. bm
- C. sr
- D. dt ✓

## Q3 Reasoning

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options the triad which follows the same logic.

DISK - DKSI - KSID  
LEAF - LFAE - FAEL

- A. GOAT - GAOT - TAOG
- B. POEM - PMEO - MEOP ✓
- C. PRAY - PRYA - RAYP
- D. WEST - EWST - TESW

## Q4 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?  
POR VUX BAD HGJ ?

- A. NLO
- B. NMP ✓
- C. NNO
- D. NOQ

## Q5 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

TAV SZU RYT QXS ?

- A. NOT
- B. OXS
- C. PWR ✓
- D. NWT

## Q6 Reasoning

Each of the digits in the number 4738165 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. Three
- B. One
- C. Two
- D. None ✓

## Q7 Reasoning

Select the option that represents the correct order of the given words as they would appear in an English dictionary.

- Roast
- Router
- Road
- Robust
- Rope

- A. 1, 4, 3, 2, 5
- B. 3, 1, 5, 4, 2
- C. 1, 4, 3, 5, 2
- D. 3, 1, 4, 5, 2 ✓

## Q8 Reasoning

In a certain code language, 'XEQA' is coded as '49' and 'KLCH' is coded as '36'. What is the code for 'NJDX' in the given code language?

- A. 55
- B. 51
- C. 54 ✓
- D. 49

### Q9 Reasoning

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will be come in place of the question mark '?' in the following equation?

$$19 C 6 B 5 D 72 A 8 = ?$$

A. 43

B. 45

C. 40

D. 47

### Q10 Reasoning

Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept above E. Only B is kept between E and Q. Only R is kept below C. Only one box is kept between Q and D. How many boxes are kept between S and R?7334

A. Two

B. One

C. Three

D. Four

### Q11 Reasoning

Seven people P1, P2, P3, P4, P5, P6 and P7 are sitting around a circular table facing towards the centre of the table. P1 sits to the immediate right of P3. P6 sits third to left of P3. P2 is sitting immediately between P3 and P7. P5 sits immediately left of P6. What is the position of P4 with respect to P1?

A. Second to the right

B. Immediate right

C. Second to the left

D. Immediate left

### Q12 Reasoning

The position(s) of how many letters will remain unchanged if each of the letters in the word ORANGEY is arranged in the English alphabetical order?

A. One

B. Two

C. Four

D. Three

### Q13 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. UT-PR

B. ZY-VU

C. ML-IH

D. JI-FE

### Q14 Reasoning

Seven people P1, P2, P3, P4, P5, P6 and P7 are sitting around a circular table facing towards the centre of the table. P7 sits second to right of P1. There are exactly two people between P1 and P6 when checked from right of P1. P2 is sitting immediately between P5 and P6. P3 sits second to right of P4. Who is sitting immediately between P6 and P3?

A. P5

B. P4

C. P7

D. P1

### Q15 Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 323

19, 360

A. 20, 400

B. 14, 196

C. 21, 440

D. 22, 485

**Q16 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TY - MV

B. WB - PY

C. IN - BK

D. EJ - RG **Q17 Reasoning**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only D is kept above G. Only two boxes are kept between G and A. Only B is kept below E. F is not kept immediately above A. How many boxes are kept between E and F?  
449

A. 2 

B. 1

C. 3

D. 4

**Q18 Reasoning**

In a certain code language,  
A > B means 'A is the sister of B',  
A = B means 'A is the father of B',  
A ! B means 'A is the wife of B' and  
A - B means 'A is the son of B'.

How is S related to E if 'S > C - O = P ! E'?

A. Wife's sister 

B. Wife's brother

C. Wife's mother

D. Wife's daughter

**Q19 Reasoning**

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

TO-UP-VY

QL-RM-SV2007

A. NI-OJ-PR

B. MI-OK-PR

C. NI-OJ-PS 

D. MI-OJ-PR

**Q20 Reasoning**

What should come in place of '?' in the given series based on the English alphabetical order?

CBY WVS QPM KJG ?

A. EDA 

B. FCB

C. HDP

D. GCA

**Q21 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

All bats are chicks.

All bats are mats.

**Conclusions:**

(I) Some chicks are mats.

(II) All mats are bats.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (I) follows 

C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow

**Q22 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. KF - GA 

B. BP - XL

C. TR - PN

D. UC - QY

**Q23 Reasoning**

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

FGJ : HAE

KLO : MFJ3128

A. FJL : HDH

B. MGQ : OAM

C. BMV : DGQ 

D. HMG : JGC

**Q24 Reasoning**

What should come in place of '?' in the given series?

314 277 244 215 190 169 ?

A. 155

B. 152

C. 149

D. 146

**Q25 Reasoning**

X is the mother of F. F is the sister of T. U is the father of K. K is the husband of T. How is K related to X?

A. Daughter's son

B. Father

C. Brother

D. Daughter's husband

**Q26 Reasoning**

If 'D' stands for '+', 'B' stands for 'x', 'A' stands for '+' and 'C' stands for '-', then what will come in place of the question mark (?) in the following equation?

16 C 92 D 4 A 12 B 7 C 15 = ?

A. 62

B. 91

C. 32

D. 87

**Q27 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

All cars are bars.

No car is a sun.

**Conclusions:**

(I) Some suns are bars.

(II) All bars are suns.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows

**Q28 Reasoning**

Rakesh ranked 39<sup>th</sup> from the top and 46<sup>th</sup> from the bottom in his class. How many students are there in his class?

A. 83

B. 84

C. 86

D. 85

**Q29 Reasoning**

What should come in place of '?' in the given series?  
118 149 211 242 304 335 ?

A. 387

B. 427

C. 397

D. 407

**Q30 Reasoning**

Yaman starts from Point A and drives 18 km towards the west. He then takes a right turn, drives 19 km, turns right and drives 21 km. He then takes a right turn and drives 23 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 3 km to the south

B. 5 km to the north

C. 2 km to the south

D. 4 km to the north



## Reasoning

## Q1 Reasoning

In a certain code language,  
 A ? B means 'A is the wife of B',  
 A @ B means 'A is the mother of B',  
 A : B means 'A is the father of B' and  
 A + B means 'A is the daughter of B'.

How is M related to H if 'M + A @ R ? C : H'?

- A. Mother's sister
- B. Mother's brother
- C. Mother's father
- D. Mother's daughter

## Q2 Reasoning

FACN is related to LFIS in a certain way based on the English alphabetical order. In the same way, DUAH is related to JZGM. To which of the following options is VJSW related, following the same logic?13026

- A. BOYB
- B. BBOY
- C. BYOB
- D. BOBY

## Q3 Reasoning

Seven boxes, G, H, I, J, K, L and M, are kept one over the other, but not necessarily in the same order.  
 Only three boxes are kept between M and J. I is kept third from the top. Only M is kept between H and I. Only K is kept below J. G is kept at one of the positions below M but not immediately above J.  
 Which box is kept third from the bottom?

- A. K
- B. H
- C. G
- D. L

## Q4 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

KE64, MC27, PZ8, ?2332

- A. TV1
- B. TW1
- C. TV8
- D. SV1

## Q5 Reasoning

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.

MEGA - EAGM - AGEM  
 TONS - OSNT - SNOT7951

- A. LEGS - ELGS - SEGL
- B. WEAR - WAER - RAEW
- C. POND - OPND - DONP
- D. KITE - IETK - ETIK

## Q6 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)13012

- A. XUY
- B. LJM
- C. ROS
- D. NKO

## Q7 Reasoning

Raman ranked 25th from the top and 67th from the bottom in his class. How many students are there in his class?

- A. 90
- B. 92
- C. 93
- D. 91

## Q8 Reasoning

SF 19 is related to VA 6 in a certain way. In the same way, GG 16 is related to JB 3. To which of the following is KL 2 related, following the same logic?

- A. NG -11
- B. HY -9
- C. KL -10
- D. JI -12

### Q9 Reasoning

What should come in place of '?' in the given series?

10 19 36 58 88 123 ?

A. 175

B. 169

C. 171

D. 166

### Q10 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(53, 47, 35)

(117, 111, 99)

A. (74, 68, 55)

B. (212, 206, 194)

C. (85, 76, 64)

D. (33, 27, 14)

### Q11 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: All Cobalt is Silver. No Silver is Vanadium.

Conclusion I: No Vanadium is Cobalt.

Conclusion II: Some Vanadium is Cobalt.

A. Only conclusion (II) follows

B. Neither conclusion (I) nor (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

### Q12 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
RTR 77 NPN 72 JIJ 67 FHF 62 ?

A. BFK 56

B. BEA 57

C. BDB 57

D. BCA 56

### Q13 Reasoning

What should come in place of '?' in the given series?

4 4 8 12 16 28 32 ?

A. 62

B. 64

C. 68

D. 60

### Q14 Reasoning

Each letter in the word HARMFUL is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is second from the left and the one which is first from the right in the new letter cluster thus formed?

7547

A. 14

B. 17

C. 13

D. 15

### Q15 Reasoning

In a certain code language, 'SOAP' is coded as '5279' and 'ATOP' is coded as '4527'. What is the code for 'T' in the given code language?

A. 4

B. 7

C. 5

D. 2

### Q16 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. BZX

B. QOM

C. CBY

D. MKI

**Q17 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete? OKH 41, GCZ 47, YUR 53, QMJ 59, ?

A. IJL 64

B. IEB 65 

C. IDA 64

D. IFA 65

**Q18 Reasoning**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. SWY

B. NRT

C. QUO 

D. JNP

**Q19 Reasoning**

Tanmay starts from Point Y and drives 23 km towards West. He then takes a right turn, drives 63 km, turns right and drives 31 km. He then takes a right turn and drives 27 km. He takes a right turn, drives 79 km. He then turns left, drives 36 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

A. 73 km towards west

B. 75 km towards east

C. 71 km towards east 

D. 71 km towards west

**Q20 Reasoning**

In a certain code language, 'SAFE' is coded as '3698' and 'FACE' is coded as '5398'.

What is the code for 'S' in the given code language?

A. 3

B. 6 

C. 8

D. 9

**Q21 Reasoning**

Which two numbers should be interchanged to make the given equation correct?

$$(21 \times 2) \div 3 + 15 \times 5 - 19 \times 4 + 36 + 7 \times 6 = 57$$

A. 5 and 6

B. 4 and 5 

C. 2 and 4

D. 36 and 21

**Q22 Reasoning**

Seven people, U, T, E, N, S, I and L, are sitting in a row, facing the north.

Only two people sit to the left of N. Only three people sit between N and S. Only one person sits between S and E. I sits to the immediate left of L. U is not an immediate neighbor of S.

How many people sit to the right of T?

A. One 

B. Three

C. Two

D. Four

**Q23 Reasoning**

Seven people A, B, C, D, E, F and G are sitting around a circular table facing towards the centre of the table. E sits second to the left of F. A is sitting immediately between B and C. D sits to the immediate right of C. Who is sitting immediately between E and F?

A. B

B. C

C. D

D. G **Q24 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some phones are irons. Some irons are vaults.

Conclusions (I) : No iron is a phone.

Conclusions (II) : Some phones are vaults.

A. Only conclusion (II) follows

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Neither conclusion (I) nor (II) follows

**Q25 Reasoning**

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) U N E H W Y B X P E L Q R C G R U A Z R U (Right)

How many such vowels are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?  
11041

A. Two

B. Three

C. None

D. One

**Q26 Reasoning**

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

1 D 40 A 7 B 7 C 46 = ?

A. 8

B. 5

C. 9

D. 7

**Q27 Reasoning**

G is the father of Y. Y is the brother of J. M is the father of W. W is the son of J. How is M related to G?

A. Daughter's son

B. Daughter's husband

C. Father

D. Brother

**Q28 Reasoning**

Seven boxes, M, N, O, P, Q, R and S, are kept one over the other, but not necessarily in the same order.

N is kept fourth from the top. Only two boxes are kept between N and S. Only P is kept above M. O is kept immediately above S. Q is kept on one of the positions after M but on one of the positions before N.

Which box is kept third from the bottom?

A. O

B. R

C. S

D. Q

**Q29 Reasoning**

If 'P' stands for '×', 'Q' stands for '+', 'R' stands for '-' and 'S' stands for '+', what will come in place of the question mark '?' in the following equation?

(96 Q 12) P 5 S (42 Q 7) P 8 R 12 P 5 = ?

A. 28

B. 34

C. 48

D. 20

**Q30 Reasoning**

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 9 3 1 2 6 8 4 5 3 9 7 2 4 5 1 8 2 3 5 9 8 5 7 3 5 6 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

A. None

B. Two

C. More than two

D. One



## Reasoning

## Q1 Reasoning

In a certain code language,  
 A @ B means 'A is the sister of B',  
 A \$ B means 'A is the father of B',  
 A # B means 'A is the wife of B' and  
 A & B means 'A is the brother of B'.

How is E related to Y if 'E \$ N @ T # R & Y'?

- A. Brother's wife's sister  
 B. Brother's wife's father ✓  
 C. Brother's daughter's husband  
 D. Mother's brother

## Q2 Reasoning

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

ROD : UKF  
 OLF : RHH

- A. KFK : NBM ✓  
 B. PUD : SRH  
 C. JQS : MMV  
 D. UIL : QFO

## Q3 Reasoning

In a certain code language, 'CANE' is coded as '5731' and 'RACE' is coded as '7435'. What is the code for 'R' in the given code language?

- A. 4 ✓  
 B. 7  
 C. 5  
 D. 3

## Q4 Reasoning

Each of the digits in the number 4317856 is arranged in ascending order from left to right. What will be the sum of the digits that are second from the left and second from the right in the new number thus formed?

- A. 8  
 B. 7  
 C. 9  
 D. 10 ✓

## Q5 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
 (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. OA - RY  
 B. YT - BR  
 C. HV - KT  
 D. SZ - VW ✓

## Q6 Reasoning

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 2 7 5 6 8 4 1 5 3 2 8 6 4 7 6 9 2 5 8 7 1 3 4 6 5 8 2 7 (Right)

How many such odd digits are there which are immediately preceded by a perfect square and immediately followed by an odd digit?

(NOTE: 1 is also a perfect square.)

- A. Three  
 B. One  
 C. More than three  
 D. Two ✓

## Q7 Reasoning

In a certain code language, 'LEST' is coded as '7453' and 'LOTS' is coded as '2735'. What is the code for 'O' in the given code language?

- A. 7  
 B. 2 ✓  
 C. 3  
 D. 5



**Q8 Reasoning**

Seven boxes, G, H, I, L, M, N and O, are kept one over the other, but not necessarily in the same order.

No box is kept above M. Only two boxes are kept between L and H. Only three boxes are kept between M and H. N is kept immediately above H. Only four boxes are kept between L and I. G is kept at some place above O.

Which box is kept second above G?

A. H

B. M

C. O

D. L

**Q9 Reasoning**

What should come in place of '?' in the given series?

372 321 277 240 210 187 ?

A. 171

B. 165

C. 173

D. 168

**Q10 Reasoning**

What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$14 \times 2 - 12 \div 4 + 8 = ?$

A. 18

B. 16

C. 47

D. 22

**Q11 Reasoning**

Bhavesh starts from Point A and drives 19 km towards the east. He then takes a left turn, drives 16 km, turns left and drives 23 km. He then takes a left turn and drives 18 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 3 km to the north

B. 3 km to the south

C. 2 km to the south

D. 2 km to the north

**Q12 Reasoning**

Each letter in the word COMPLEX is changed to the letter immediately preceding it in the English alphabetical order and then all the letters thus formed are arranged in alphabetical order. Which of the following letters will be fourth from the right in the new group of letters thus formed?

A. K

B. D

C. N

D. L

**Q13 Reasoning**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. No box is kept above G. Only three boxes are kept between G and D. Only one box is kept between E and B. B is kept immediately above D. Only four boxes are kept between E and C. F is kept at some place above A. Which box is kept immediately below D?43

A. F

B. A

C. B

D. G

**Q14 Reasoning**

Seven people F, G, H, L, M, O and Q are sitting around a circular table, facing the centre of the table. O sits to the immediate right of G. F sits to the immediate right of H. Only two people sit between Q and O when counted from the right of Q. Only three people sit between M and G when counted from the right of G. How many people sit between F and L when counted from the right of F?

A. Two

B. One

C. Three

D. Four

**Q15 Reasoning**

Each of the digits in the number 7543168 is arranged in ascending order from left to right. What will be the sum of the digits which are second from the left and third from the right in the new number thus formed?

A. 10

B. 6

C. 5

D. 9

### Q16 Reasoning

Seven boxes B, C, D, E, Q, R and S are kept one over the other but not necessarily in the same order. No box is kept below C. Only two boxes are kept between E and C. Only Q is kept above D. S is kept at some place below B but at some place above R. Which box is kept immediately above S?7333

A. D

B. R

C. B

D. E

### Q17 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All kings are mountains. All mountains are arrows.

Conclusion (I): Some mountains are kings.

Conclusion (II): All kings are arrows.

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

### Q18 Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

JM - NQ - RU

BE - FI - JM

A. HI - MP - SU

B. MP - QT - UX

C. EB - IG - NL

D. NE - QK - XQ

### Q19 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

All brooms are rings.

No broom is a lamp.

#### Conclusions:

(I) Some lamps are rings.

(II) All rings are lamps.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (I) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (II) follows

### Q20 Reasoning

In a certain code language,

A % B means 'A is the father of B',

A € B means 'A is the wife of B',

A = B means 'A is the mother of B', and

A ? B means 'A is the daughter of B'.

Based on the above, how is B related to X if 'B = C ? O % P € X'?

A. Sister

B. Brother's wife

C. Wife

D. Wife's mother

### Q21 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

DIXC 6 JNBF 12 PSFI 18 VXJL 24 BCNO 30 ?

A. HIRS 34

B. HHRR 36

C. IHSR 36

D. IISS 34

### Q22 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. NQU

B. PSW

C. KNR

D. HKJ



### Q23 Reasoning

What should come in place of '?' in the given series?

71 68 ? 53 41 26

A. 62



B. 61

C. 64

D. 63

### Q24 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GNI JRL MVO PZR ?

A. TCV

B. TEU

C. SDU



D. RDV

### Q25 Reasoning

Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only three people sit to the left of B. Only Z sits to the right of T. Only three people sit between T and O. J sits at some place to the left of A but at some place to the right of D. Who sits immediately to the right of B?

A. Z

B. O

C. A



D. T

### Q26 Reasoning

LOQK is related to SVXR in a certain way based on the English alphabetical order. In the same way, ILNH is related to PSUO. To which of the following is FIKE related, following the same logic? 15751

A. PMRL

B. MPRL



C. PMLR

D. MPLR

### Q27 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)16078

A. YG-RO

B. AI-TQ

C. OW - HF



D. SA - LI

### Q28 Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits.

E.g. 13 - Operations on 13 such as adding / subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

123, 116

102, 95

A. 604, 596

B. 365, 357

C. 541, 534



D. 413, 402



**Q29 Reasoning**

Each vowel in the word ANTIQUE is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be second from the left in the new group of letters thus formed?

A. P

B. M

C. J

D. S

**Q30 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ACE HJL OQS VXZ ?

A. CDF

B. CDG

C. CEG

D. CFF

## Reasoning

## Q1 Reasoning

If 1 is added to each odd digit and 1 is subtracted from each even digit in the number 7254136, how many digits will appear more than once in the new number thus formed?

- A. One  
B. Two  
C. None ✓  
D. Three

## Q2 Reasoning

In a certain code language,  
A : B means 'A is the father of B',  
A @ B means 'A is the mother of B',  
A ? B means 'A is the wife of B' and  
A + B means 'A is the daughter of B'.

How is C related to R if 'C ? O : V @ E + R'?

- A. Wife's brother  
B. Wife's father  
C. Wife's sister  
D. Wife's mother ✓

## Q3 Reasoning

Seven people F, G, H, L, M, O and Q are sitting in a row facing north. Only Q sits to the left of H. Only four people sit between Q and G. Only F sits between L and M, and L is not an immediate neighbor of G. How many people sit between O and H?

- A. Three  
B. Two  
C. Four ✓  
D. One

## Q4 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. LIM  
B. MJN  
C. JKO ✓  
D. ROS

## Q5 Reasoning

In a certain code language,  
A + B means 'A is the sister of B',  
A - B means 'A is the daughter of B',  
A × B means 'A is the son of B', and  
A ÷ B means 'A is the husband of B'.  
Based on the above, how is V related to R if 'V - D + Q × T ÷ R'?

- A. Sister's daughter  
B. Daughter's daughter ✓  
C. Daughter  
D. Son's wife

## Q6 Reasoning

WTQT is related to VSPS in a certain way based on the English alphabetical order. In the same way, ZWTW is related to YYSV. To which of the following is OLIL related, following the same logic? 13911

- A. NLGO  
B. NKHK ✓  
C. NKGK  
D. NJGK

## Q7 Reasoning

In a certain code language, 'JACK' is coded as '9621' and 'CALK' is coded as '6231'. What is the code for 'L' in the given code language?

- A. 2  
B. 3 ✓  
C. 6  
D. 1

## Q8 Reasoning

Each of the digits in the number 7632198 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. THREE  
B. ONE ✓  
C. NONE  
D. TWO

### Q9 Reasoning

In a row of 38 people facing the north, Keerthi is 13<sup>th</sup> from the right end. If Tanvi sits 7<sup>th</sup> to the left of Keerthi, what is Tanvi's position from the left end of the row?

A. 19th



B. 18th

C. 17th

D. 20th

### Q10 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

PCO QGL RKI SOF ?

A. CAP

B. TSC



C. SKM

D. SDF

### Q11 Reasoning

What should come in place of '?' in the given series?  
135 146 168 201 245 ?

A. 300



B. 290

C. 310

D. 280

### Q12 Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

78 - 88

32 - 42

A. 110 - 120



B. 98 - 88

C. 90 - 110

D. 45 - 56

### Q13 Reasoning

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 1 1 9 4 8 6 9 2 4 2 8 9 7 1 3 2 7 5 8 2 1 5 3 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. Three

B. Two

C. Four



D. Five

### Q14 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some bottles are jars. All jars are boxes.

Conclusions

(I) Some boxes are bottles.

(II) All boxes are jars.

A. Neither conclusion (I) nor (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (II) follows

D. Only conclusion (I) follows



### Q15 Reasoning

Abhinav starts from Point A and drives 16 km towards the west. He then takes a right turn, drives 8 km, turns right and drives 19 km. He then takes a right turn and drives 14 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 5 km to the south

B. 6 km to the north



C. 5 km to the north

D. 6 km to the south

### Q16 Reasoning

Which letter cluster will replace the question mark (?) to complete the given series?

CDX DFU EHR ? GLL

A. FTR

B. FDR

C. FJO



D. FGY

### Q17 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

Some leaves are trees.  
All chairs are trees.

#### Conclusions:

(I) Some leaves are chairs.  
(II) All trees are chairs.

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

### Q18 Reasoning

LL 22 is related to JH 6 in a certain way. In the same way, CR 20 is related to AN 4. To which of the following is GN 14 related, following the same logic?

A. FI -4

B. EI -2

C. FJ -4

D. EJ -2

### Q19 Reasoning

If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 8254316, then what will be the sum of the first digit from the left and the second digit from the right in the new number thus formed?

A. 4

B. 10

C. 0

D. 6

### Q20 Reasoning

Refer to the following letter series and answer the question that follows.

(Left) H U N V Y M L N D M Q M B E M N Z W M J I N F Q N (Right)

How many letters are there in the English alphabetical series between the letter which is fifth from the right end and eighth from the left end of the series? 11017

A. Two

B. Four

C. Three

D. Five

### Q21 Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 3 8 7 5 3 2 1 9 6 4 8 7 5 2 1 4 6 3 2 9 8 7 5 4 1 5 2 6 9 8 7 5 6 3 2 1 5 4 7 8 5 1 2 5 9 6 3 9 8 7 5 1 4 5 2 (Right)

How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an odd digit? (NOTE: 1 is also a perfect square.)

A. 6

B. 4

C. 2

D. 8

### Q22 Reasoning

DI 12 is related to JE 3 in a certain way. In the same way, EW 11 is related to KS 2. To which of the following is KN 19 related, following the same logic? 9769

A. TR 11

B. HY 14

C. LP 9

D. QJ 10

### Q23 Reasoning

Seven people X, Y, Z, A, B, C and D are sitting around a circular table facing towards the centre of the table. D sits third to the right of Y. B is sitting immediately between X and C. Z sits second to the right of X. What is the position of A with respect to Z?

A. Second to the left

B. Immediate right

C. Immediate left

D. Second to the right

#### Q24 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. LMJ

B. STQ

C. GHE

D. CDB



#### Q28 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

RHE 53, WMC 61, BRA 69, GWY 77, ?

A. KCU 83

B. LBW 85



C. KBV 83

D. MAX 85

#### Q29 Reasoning

What should come in place of '?' in the given series?

280 225 175 130 90 55 ?

A. 34

B. 31

C. 25



D. 28

#### Q25 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)16079

A. KJ-PZ

B. HG - NW



C. FE-KU

D. PO - UE

#### Q30 Reasoning

Seven boxes, G, H, I, J, Q, R and S, are kept one over the other, but not necessarily in the same order.

Only two boxes are kept between I and R. Only J is kept above S.

Only three boxes are kept below I. H is kept at some place below G but at some place above Q.

Which box is kept third above Q?

A. R

B. S

C. J

D. G



#### Q26 Reasoning

In a certain code language, 'GLOW' is coded as '3187' and 'WOLF' is coded as '1273'. What is the code for 'G' in the given code language?

A. 3

B. 8



C. 1

D. 7

#### Q27 Reasoning

Six boxes E,F,G,H,I and B are kept one over the other but not necessarily in the same order. Only three boxes are kept above F. Only one box is kept between H and F. Only three boxes are kept between H and I. I is kept at some place above F. B is kept immediately below I. E is kept at one of the places below G. How many boxes are kept between G and H?9926

A. Four



B. Three

C. Two

D. One



## Reasoning

## Q1 Reasoning

What should come in place of '?' in the given series?

391 349 376 334 361 319 ?

A. 360

B. 346

C. 354

D. 350

## Q2 Reasoning

In a certain code language,

A ÷ B means 'A is the mother of B',  
 A × B means 'A is the husband of B',  
 A – B means 'A is the sister of B' and  
 A + B means 'A is the father of B'.

Based on the above, how is M related to R if 'M + N ÷ O – P × Q ÷ R'?

A. Father's mother's father

B. Father's father's brother

C. Mother's brother

D. Father's father's father

## Q3 Reasoning

Refer to the following letter series and answer the question.

(Left) T Y E V B I W F X A P D G H M K R Z O L M S (Right)

How many letters are there in the English alphabetical series between the letter which is sixth from the right end and fourth from the left end of the series? 7190

A. Two

B. Four

C. Three

D. Five

## Q4 Reasoning

Refer to the given series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 8 5 2 8 8 2 3 1 8 8 9 6 6 4 8 6 2 9 9 2 4 6 9 (Right)

How many such odd digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an odd digit?

A. Two

B. None

C. One

D. Three

## Q5 Reasoning

Each letter in the word INJURED is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter cluster thus formed?

A. 7

B. 11

C. 9

D. 8

## Q6 Reasoning

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

UOM : YRK

VSL : ZVJ3659

A. KRX : OTV

B. GVS : KYR

C. FEO : JHL

D. INK : MQI

## Q7 Reasoning

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 4317856, how many digits will appear more than once in the new number thus formed?

A. One

B. Two

C. None

D. Three



**Q8 Reasoning**

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then the resultant of which of the following would be 4?

A. 85 B 5 D 7 C 5 A 22

B. 85 D 5 A 7 B 5 C 22

C. 85 A 5 D 7 B 5 C 22 

D. 85 C 5 D 7 A 5 B 22

**Q9 Reasoning**

In a certain code language, 'uncle steak gum' is coded as 'xl wc iv' and 'sir gum barn' is coded as 'wc mn ut'. How is 'gum' coded in the given language?

A. iv

B. wc 

C. mn

D. xl

**Q10 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(17, 4, 204)

(19, 5, 285)

A. (18, 6, 328)

B. (21, 4, 256)

C. (16, 8, 384) 

D. (15, 7, 316)

**Q11 Reasoning**

Six boxes H,I,J,K,L and E are kept one over the other but not necessarily in the same order. E is kept immediately above J. I is kept immediately above L. Only K is kept above H. Only two boxes are kept above E. How many boxes are kept between I and K?9923

A. One

B. Two

C. Three 

D. Four

**Q12 Reasoning**

Eight people, S, T, U, V, W, X, Y and Z, are sitting around a circular table, facing the centre. T sits third to the left of W. T sits third to the right of V. X is an immediate neighbour of U and V. Z sits second to the left of S. How many people sit between X and W, when counted from the left of X?

A. Three

B. One

C. Four

D. Two **Q13 Reasoning**

What should come in place of '?' in the given series based on the English alphabetical order?

KFP SNX AVF IDN ?

A. LFP

B. IAK

C. KDF

D. QLV **Q14 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

ZEK UZF PUA KPV ?

A. DKR

B. PFY

C. FKQ 

D. EGP

**Q15 Reasoning**

Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

UQL : QMH

CAT : YWP

A. ZBM : VXI 

B. UTW : RQT

C. LJH : NLJ

D. NOP : OPQ

**Q16 Reasoning**

Vimal ranked 28th from the top and 65th from the bottom in his class. How many students are there in his class?

A. 93

B. 91

C. 92

D. 90

**Q17 Reasoning**

Seven boxes G, H, I, J, K, L and T are kept one over the other but not necessarily in the same order. Only two boxes are kept between L and J. Only T is kept above I. No box is kept below J. H is kept at some place below G but at some place above K. How many boxes are kept between T and H?

A. One

B. Two

C. Four

D. Three

**Q18 Reasoning**

Shishir starts from Point Y and drives 75 km towards East. He then takes a left turn, drives 35 km, turns left and drives 38 km. He then takes a left turn and drives 41 km. He takes a right turn, drives 37 km. He then turns left, drives 26 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

A. 29 km towards south

B. 35 km towards north

C. 33 km towards west

D. 32 km towards north

**Q19 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KN - HU

B. GJ - FI

C. OR - NQ

D. PS - OR

**Q20 Reasoning**

In a certain code language, 'CHIN' is coded as '9413' and 'NICE' is coded as '2319'. What is the code for 'E' in that language?

A. 2

B. 9

C. 3

D. 1

**Q21 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. LX - HT

B. NV - JR

C. BK - XF

D. QE - MA

**Q22 Reasoning**

A, B, D, J, O, T and Z are sitting around a circular table facing the center. Exactly three people sit between Z and T when counted from the right of Z. B sits second to the left of T. A sits immediately to the left of J. D is not an immediate neighbor of T. How many people sit between B and A when counted from the left of A?

A. One

B. Two

C. Four

D. Three

**Q23 Reasoning**

What should come in place of the '?' in the given series?

5 9 20 40 67 103 ?

A. 184

B. 146

C. 164

D. 148



#### Q24 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

##### Statements:

All hats are carpets.  
No carpet is a locket.

##### Conclusions:

(I) No hat is a locket.  
(II) Some lockets are carpets.

- A. Only conclusion (I) follows
- B. Both conclusions (I) and (II) follow
- C. Only conclusion (II) follows
- D. Neither conclusion (I) nor (II) follows

#### Q25 Reasoning

If 'A' stands for '+', 'B' stands for '-', 'C' stands for '×' and 'D' stands for '÷', then what will come in place of the question mark (?) in the following equation?

126 B 13 A 42 D 7 C 15 = ?

- A. 203
- B. 480
- C. 330
- D. 620

#### Q26 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: All ribbons are goats. Some crows are ribbons.

Conclusion (I): Some crows are goats.

Conclusion (II): All goats are crows.

- A. Both conclusions (I) and (II) follow
- B. Only conclusion (II) follows
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (I) follows

#### Q27 Reasoning

CZAZ is related to VSTS in a certain way based on the English alphabetical order. In the same way, EBCB is related to XUVU. To which of the following is GDED related, following the same logic? 13914

- A. ZXWA
- B. ZWXW
- C. ZVWW
- D. ZWWW

#### Q28 Reasoning

In a certain code language,  
A @ B means 'A is the mother of B',  
A × B means 'A is the wife of B',  
A + B means 'A is the brother of B' and  
A ÷ B means 'A is the father of B'.

How is S related to H if 'S ÷ D + R @ Y × H'?

- A. Wife's mother's brother
- B. Wife's father
- C. Wife's brother
- D. Wife's mother's father

#### Q29 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.) 16077

- A. XV-NH
- B. BZ-RL
- C. VT - LE
- D. OM - EY

#### Q30 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

NJI HDC BXW VRQ ?

- A. PKJ
- B. PQS
- C. PLK
- D. PMJ

## Reasoning

## Q1 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. PS - OR

B. FI - EH

C. LO - KN

D. KN - JL 

## Q5 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. D is kept third from the bottom. C is kept above A but below D. Only two boxes are kept between G and F. E is kept above F but below B. How many boxes are kept between E and D?

A. One 

B. Two

C. Three

D. None

## Q2 Reasoning

In a certain code language, 'salt elbow care' is coded as 'zh pv nf' and 'night care jar' is coded as 'ab po zh'. How is 'care' coded in the given language?

A. nf

B. ab

C. pv

D. zh 

## Q6 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only two boxes are kept between G and B. Only D is kept above C. No box is kept below B. F is kept at some place below A but at some place above E. How many boxes are kept between D and E?

A. 3

B. 1

C. 2

D. 4 

## Q3 Reasoning

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 5 4 3 1 6 8 8 1 5 7 7 7 4 1 6 2 7 9 1 3 9 7 7 3 9 2 6 (Right)

How many such odd numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number?

A. 3 

B. 4

C. 2

D. 5

## Q7 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

GCH 10, DZE 21, AWB 32, XTY 43, ?

A. UQB 56

B. LFY 58

C. UQV 54 

D. KPT 56

## Q4 Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

$$39 - 15 \div 3 + 124 \times 4 = ?$$

A. 53 

B. 52

C. 50

D. 59

### Q8 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.  
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(15, 12, 37)  
(25, 15, 50)

A. (23, 5, 40)

B. (18, 17, 42)

C. (2, 8, 20) ✓

D. (24, 10, 40)

### Q9 Reasoning

Refer to the given series and answer the question that follows. All numbers are single-digit numbers only.

(Left) 8 7 1 9 3 4 1 2 3 7 5 7 7 8 5 6 6 1 6 3 7 3 5 (Right)

How many such even digits are there, each of which is immediately preceded by an even digit and also immediately followed by an even digit?

A. None ✓

B. Three

C. Two

D. One

### Q10 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. KHI

B. FCD

C. PNN ✓

D. ZWX

### Q11 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. GT – CP

B. NV – JR

C. QF – MB

D. HL – FD ✓

### Q12 Reasoning

Refer to the following letter series and answer the question.  
(Counting to be done from left to right only.)

(Left) I G I H C Y A O Z L K E P D J C O P T I R G (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel?

A. 6

B. 3

C. 4 ✓

D. 5

### Q13 Reasoning

Mr. Yorly starts from Point A and drives 29 km towards East. He then takes a right turn, drives 16 km, turns right and drives 39 km. He then takes a right turn and drives 9 km. He then takes a right turn, drives 6 km, turns left and drives 3 km. He takes a final right turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degrees turns only unless specified.)

A. 8 km to the East

B. 4 km to the North ✓

C. 7 km to the West

D. 6 km to the South

### Q14 Reasoning

In a certain code language, 'FISH' is coded as '1963' and 'HITS' is coded as '6983'. What is the code for 'T' in the given code language?

A. 6

B. 8 ✓

C. 9

D. 3

**Q15 Reasoning**

What should come in place of the '?' in the given series?

51 78 132 213 321 ?

A. 448

B. 462

C. 450

D. 456

**Q16 Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

VXW-UWV

WYX-VXW

A. BCA-ACB

B. BCA-ZBA

C. BDC-ZCA

D. BDC-ACB

**Q17 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements: Some doors are petals. Some flowers are petals.

Conclusion (I): Some flowers are doors.

Conclusion (II): All petals are flowers.

A. Only conclusion (II) follows

B. Only conclusion (I) follows

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

**Q18 Reasoning**

What should come in place of '?' in the given series based on the English alphabetical order?

BMS EPV HSY KVB ?

A. NYD

B. NYE

C. OYE

D. NXE

**Q19 Reasoning**

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

NPS : KMP

DOQ : ALN3084

A. EHL : CFI

B. HDP : EAM

C. DHG : BEC

D. SEL : OAI

**Q20 Reasoning**

In a certain code language,

A + B means 'A is the sister of B',

A - B means 'A is the brother of B',

A x B means 'A is the father of B' and

A ÷ B means 'A is the mother of B'.

Based on the above, how is M related to R if 'M x N ÷ O - P + Q - R'?

A. Mother's father

B. Brother

C. Father's father

D. Father

**Q21 Reasoning**

What should come in place of '?' in the given series?

211, 219, 235, 259, 291, ?

A. 331

B. 341

C. 321

D. 330

**Q22 Reasoning**

DIOR is related to AEJL in a certain way based on the English alphabetical order. In the same way, RSUT is related to OOPN. To which of the following options is IGFB related, following the same logic?13387

A. FVCA

B. FCVA

C. FAVC

D. FCAV

**Q23 Reasoning**

Seven people F, G, H, L, M, O and Q are sitting in a row facing north. Only two people sit between H and Q. Only H sits to the right of G. Only three people sit between G and F. L sits at some place to the left of O, but at some place to the right of M. How many people sit between M and O?

A. Four

B. One

C. Three 

D. Two

**Q24 Reasoning**

A, B, D, J, O, T and Z are sitting around a circular table facing the center. Only four people sit between B and D when counted from the right of B. O and T are immediate neighbors of J. Exactly four people sit between A and Z when counted from the left of A. Z is not an immediate neighbor of O or D. How many people sit between D and Z when counted from the left of D?

A. One

B. Three 

C. Four

D. Two

**Q25 Reasoning**

In a certain code language,  
 A = B means 'A is the son of B',  
 A \$ B means 'A is the sister of B',  
 A @ B means 'A is the wife of B' and  
 A \* B means 'A is the father of B'.

How is W related to G if 'W = F \$ K @ L \* G'?

A. Sister's son

B. Father's sister's son

C. Mother's brother's son

D. Mother's sister's son **Q26 Reasoning**

Each of the digits in the number 73912685 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

A. Two

B. None

C. Three

D. One **Q27 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

LJL MKM NLN OMO ?

A. PQS

B. PMO

C. POO

D. PNP **Q28 Reasoning**

If 'A' stands for '÷', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark '?' in the following equation?

220 C 56 A 14 D 17 B 12 =?

A. 36

B. 20 

C. 30

D. 24

**Q29 Reasoning**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only G is kept above E. Only C is kept between E and A. Only F is kept below B. How many boxes are kept between C and F?448

A. 2

B. 1

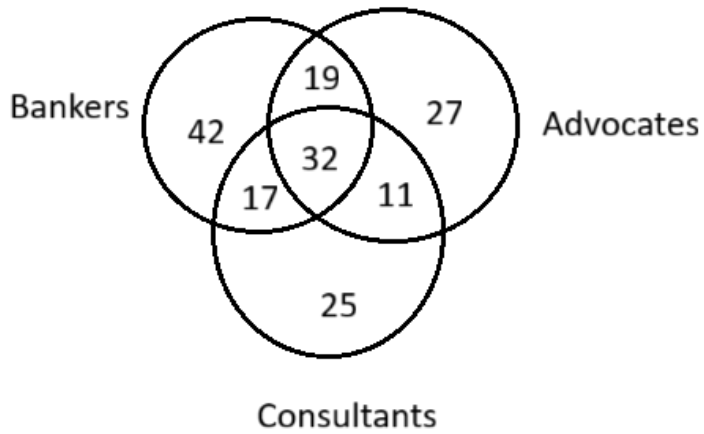
C. 3 

D. 4

**Q30 Reasoning**

Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons. (NOTE: You have to take the given data to be true even if it seems to be at variance from commonly known facts.)

How many such Consultants are there who are Bankers as well as Advocates?



A. 25

B. 11

C. 32



D. 17

## Reasoning

## Q1 Reasoning

In a certain code language, 'queen dirt world' is coded as 'ya yo mq' and 'world bat law' is coded as 'yo uj zs'. How is 'world' coded in that language? (All codes are two-letter codes.)

A. yo B. uj C. mq D. ya 

## Q2 Reasoning

WSPO is related to SPNN in a certain way based on the English alphabetical order. In the same way, TQNL is related to PNLK. To which of the following is MKHI related, following the same logic? 14648

A. IGDE B. IGEF C. IHFH D. TYWD 

## Q3 Reasoning

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

HM - JR - LW

UL - WQ - YV

A. GP - EK - SV B. GP - JK - CE C. CF - GK - HP D. CF - EK - GP 

## Q4 Reasoning

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

43 D 28 C 35 A 7 B 11 = ?

A. 73 B. 74 C. 70 D. 71 

## Q5 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(27, 12, 322)

(24, 13, 310)

A. (32, 7, 224) B. (34, 9, 308) C. (29, 10, 292) D. (31, 8, 246) 

## Q6 Reasoning

What should come in place of the '?' in the given series?

4 12 36 108 ? 972

A. 323 B. 324 C. 322 D. 321 

## Q7 Reasoning

Each vowel in the word 'SCRAMBLE' is changed to the second letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately following it in the English alphabetical order. Which letter will appear exactly twice in the group of the letters thus formed? 921

A. N B. M C. C D. S 

## Q8 Reasoning

In a certain code language, 'CONE' is coded as '1536' and 'NOTE' is coded as '3146'. What is the code for 'T' in the given code language?

A. 3 B. 1 C. 4 D. 6

### Q9 Reasoning

What should come in place of '?' in the given series?  
871 791 721 661 611 ?

A. 523

B. 501

C. 571

D. 539

### Q10 Reasoning

Seven boxes L, M, N, O, P, Q and R are kept one over the other but not necessarily in the same order. Box Q is kept immediately above N. Exactly two boxes are kept between L and N. L is kept on one of the positions above N. O is placed at the topmost position. Exactly two boxes are kept between M and P. Only one box is kept below P. R is kept on one of the positions below N. How many boxes are kept between Q and R?

A. Two

B. Three

C. One

D. None

### Q11 Reasoning

Seven boxes F,G,H,I,J,K and S are kept one over the other but not necessarily in the same order. Only three boxes are kept above G. Only one box is kept between J and G. Only three boxes are kept between J and K. K is kept at some place above G. S is kept immediately below K. F is kept at one of the places above I. H is not kept immediately above or below J. How many boxes are kept between H and J?

A. Two

B. Three

C. Four

D. One

### Q12 Reasoning

Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only two people sit to the right of T. Only two people sit between T and B. Only two people sit between A and Z. Z sits to the immediate left of T. O sits to the immediate right of D. Who sits immediately to the right of J?

A. B

B. J

C. D

D. Z

### Q13 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. RF - NC

B. ME - IA

C. KP - GL

D. ZW - VS

### Q14 Reasoning

P is the sister of Q. Q is the brother of S. T is the father of X. X is the son of S. How is X related to P?

A. Sister's son

B. Daughter's son

C. Son

D. Brother's son

### Q15 Reasoning

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: Some engineers are designers. All designers are creators.

Conclusions:

(I) All creators are engineers.

(II) Some engineers are creators.

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow

C. Neither conclusion (I) nor (II) follows

D. Only conclusion (I) follows

### Q16 Reasoning

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. UYT

B. NQM

C. JMI

D. YBX

**Q17 Reasoning**

What should come in place of ? in the given series based on the English alphabetical order?  
QMO NJL KGI HDF ?

A. EAC B. EZB C. EBB D. EFH **Q18 Reasoning**

Shreya starts from Point A and drives 22 km towards the north. He then takes a right turn, drives 24 km, turns right and drives 28 km. He then takes a right turn and drives 30 km. He takes a final right turn, drives 6 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 6 km to the east B. 7 km to the west C. 3 km to the east D. 5 km to the east **Q19 Reasoning**

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**

All cherries are bats.

No bat is an orange.

**Conclusions:**

(I) No cherry is an orange.

(II) Some oranges are bats.

A. Only conclusion (II) follows B. Both conclusions (I) and (II) follow C. Only conclusion (I) follows D. Neither conclusion (I) nor (II) follows **Q20 Reasoning**

If '+' means '×', '×' means '÷', '÷' means '+', and '÷' means '+', then what will come in place of the question mark (?) in the following equation?

$$54 - 2 \div 120 \times 2 + 85 = ?$$

A. 83 B. 85 C. 88 D. 86 **Q21 Reasoning**

Each of the digits in the number 6534217 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

A. ONE B. THREE C. NONE D. TWO **Q22 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

JCT 6 NGQ -7 RKN -20 VOK -33 ?

A. ZDX -45 B. ZCD -54 C. ZSH -46 D. ZXD -44 **Q23 Reasoning**

In a certain code language,  
A ÷ B means 'A is the son of B',  
A # B means 'A is the wife of B',  
A + B means 'A is the brother of B' and  
A & B means 'A is the father of B'.

How is S related to H if 'S ÷ D &amp; R + Y # H'?

A. Wife's brother B. Wife's father C. Brother D. Father **Q24 Reasoning**

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 5 3 5 1 5 4 1 2 9 1 1 7 4 8 7 6 6 8 1 5 6 4 1 1 6 6 4 (Right)

How many such even numbers are there, each of which is immediately preceded by an odd number and also immediately followed by an even number? 8576

A. 4 B. 3 C. 6 D. 5

**Q25 Reasoning**

Seven people, S, T, I, C, K, E and R, are sitting in a row, facing north. Only two people sit to the right of E. Only two people sit between E and C. Only two people sit between T and S. S sits to the immediate left of E. K sits to the immediate right of R. Who sits at the third position from the left end of the line?

A. K

B. I

C. E

D. S

**Q26 Reasoning**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. UVWX

B. OPQS

C. HIJL

D. BCDF

**Q27 Reasoning**

The position(s) of how many letters will remain unchanged if each letter in the word DEPARTS is arranged in the English alphabetical order?

A. 3

B. 2

C. 1

D. 0

**Q28 Reasoning**

All 193 people are standing in a row facing north. Ccd is 14th from the right end while Vks is 124th from the left end. How many people are there between Ccd and Vks?

A. 52

B. 55

C. 54

D. 53

**Q29 Reasoning**

Select the triad that follows the same pattern as the one followed by the two triads given below. Both triads follow the same pattern.

FA - HC - JL

ID - KF - MO1473

A. MH - OJ - QS

B. NH - OJ - QR

C. MH - OJ - QR

D. NH - OI - QR

**Q30 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FJI JNM NRQ RVU ?

A. VYX

B. VZY

C. VAX

D. VWY



## Reasoning

## Q1 Reasoning

NQTM is related to ILOH in a certain way based on the English alphabetical order. In the same way, UOLG is related to PJGB. To which of the following is HRPW related, following the same logic?

A. PDRT

B. NTGY

C. LFTS

D. CMKR 

## Q5 Reasoning

NJ 9 is related to QN -9 in a certain way. In the same way, OR 13 is related to RV -5. To which of the following is VR 19 related, following the same logic?

A. VZ 3

B. YX 6

C. CX 5

D. YV 1 

## Q2 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)3073

A. NQS

B. SVX

C. KNQ 

D. LOQ

## Q6 Reasoning

In a certain code language, 'rain calms storms' is coded as 'gl ot fr' and 'patience gently calms' is coded as 'ot mi zp'. How is 'calms' coded in the given language?

A. fr

B. ot 

C. zp

D. gl

## Q3 Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group.

Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. TNH

B. RLF

C. YSM

D. WOK 

## Q7 Reasoning

J, U, N, I, O, R and S are sitting around a circular table facing the centre of the table. S sits fourth to the left of R. O sits fourth to the right of U. Only two people sit between R and U when counted from the left of R. N is not an immediate neighbour of O or R. J is not an immediate neighbour of N. Who sits third to the right of I?

A. S

B. U

C. R

D. J 

## Q4 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

HKS GMP FOM EQJ ?

A. MTC

B. DSG 

C. PVE

D. VTF

## Q8 Reasoning

P is the sister of Q. Q is the brother of S. T is the father of X. X is the son of S. How is P related to X?

A. Father's mother

B. Mother

C. Mother's sister 

D. Sister

### Q9 Reasoning

In a certain code language,  
 $A \leq B$  means 'A is the father of B',  
 $A \neq B$  means 'A is the wife of B',  
 $A @ B$  means 'A is the son of B' and  
 $A \sim B$  means 'A is the sister of B'.

Based on the above, how is R related to O if ' $R \neq A @ N \leq C \sim O$ '?

- A. Father's mother
- B. Wife's sister
- C. Brother's wife
- D. Wife

### Q10 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. IB-DG
- B. KD-FI
- C. PI-KM
- D. NG-IL

### Q11 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

HDZM 42 BYFR 36 VTLW 30 PORB 24 ?

- A. JKYH 16
- B. KKXG 16
- C. JJXG 18
- D. KJYH 18

### Q12 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only four boxes are kept between C and A. Only F is kept above C. Only two boxes are kept between D and B. G is kept immediately above E. B is not kept immediately above G. Which box is kept immediately below E?44

- A. F
- B. A
- C. B
- D. G

### Q13 Reasoning

Seven boxes A, B, J, E, C, T and S are kept one over the other but not necessarily in the same order. Only T is kept below E. Only A is kept above J. Only C is kept between J and S. How many boxes are kept between B and T?60

- A. Zero
- B. Three
- C. Two
- D. One

### Q14 Reasoning

Palash starts from Point Y and drives 25 km towards West. He then takes a left turn, drives 23 km, turns right and drives 51 km. He then takes a left turn and drives 16 km. He takes a left turn, drives 31 km. He then turns right, drives 35 km, turns left and drives 45 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)

- A. 77 km towards north
- B. 71 km towards south
- C. 73 km towards south
- D. 74 km towards north

### Q15 Reasoning

Each of the digits in the number 8945317 is arranged in ascending order from left to right. The position(s) of how many digits will remain unchanged as compared to that in the original number?

- A. TWO
- B. ONE
- C. NONE
- D. THREE

### Q16 Reasoning

Seven boxes, M, N, O, P, X, Y and Z, are kept one over the other, but not necessarily in the same order. Y is kept second from the bottom. Only three boxes are kept between Y and O. X is kept at one of the positions below Y. Only N is kept between O and P. M is kept at one of the positions above O. How many boxes are kept between X and M?

- A. Four
- B. One
- C. Three
- D. Five

**Q17 Reasoning**

What should come in place of the '?' in the given series?

17 30 56 95 147 ?

A. 221

B. 212

C. 252

D. 225

**Q18 Reasoning**

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$24 \div 5 - 11 + 70 \times 14 = ?$

A. 123

B. 126

C. 122

D. 120

**Q19 Reasoning**

Refer to the following series and answer the question. (Counting to be done from left to right only.) (All numbers are single-digit numbers only.)

(Left) 7 3 5 2 3 5 3 5 2 2 5 2 5 2 5 6 5 4 6 5 4 9 9 8 5 5 2 (Right)

How many such even digits are there, each of which is immediately preceded by a perfect square and immediately followed by an even digit? (NOTE: 1 is also a perfect square.)

A. One

B. None

C. Two

D. Three

**Q20 Reasoning**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement: No Oranges are Apricots. All Apricots are Apples.

Conclusion I: No Apples are Oranges.

Conclusion II: Some Oranges are Apples.

A. Both conclusions (I) and (II) follow

B. Only conclusion (II) follows

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

**Q21 Reasoning**

What should come in place of '?' in the given series?

184 164 146 130 116 104 ?

A. 89

B. 91

C. 94

D. 96

**Q22 Reasoning**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: Some hairs are wires. All ropes are wires.

Conclusion (I) : Some hairs are ropes

Conclusion (II) : All wires are ropes

A. Only conclusion (II) follows

B. Both conclusions (I) and (II) follow

C. Only conclusion (I) follows

D. Neither conclusion (I) nor (II) follows

**Q23 Reasoning**

In a certain code language, 'PACK' is coded as '1376' and 'CAKE' is coded as '7615'. What is the code for 'E' in the given code language?

A. 6

B. 7

C. 5

D. 1

**Q24 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

BIRD FMVH JQZL NUDP ?

A. RYHT

B. RZHS

C. SYGT

D. SZGS

### Q25 Reasoning

Refer to the given number series and answer the question that follows. Counting to be done from left to right only. All numbers are single-digit numbers only.

(Left) 9 2 3 1 4 5 6 8 5 4 3 2 1 9 3 4 5 6 7 8 1 2 9 8 3 4 5 2 6 8 2 (Right)

How many such odd digits are there, each of which is immediately preceded by an even digit and also immediately followed by an odd digit?

- A. Two
- B. None
- C. One
- D. Three

### Q26 Reasoning

If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

10 B 3 D 45 A 9 C 2 = ? D 18

- A. 40
- B. 50
- C. 55
- D. 45

### Q27 Reasoning

JK 9 is related to MJ -7 in a certain way. In the same way, PQ 4 is related to SP -12. To which of the following is QR 13 related, following the same logic? 14123

- A. GH-4
- B. YT -1
- C. TM -6
- D. TQ -3

### Q28 Reasoning

Seven people A, B, D, J, O, T and Z are sitting in a row, facing north. Only D sits to the left of T. Only four people sit between D and A. Only O sits between Z and B and Z is not an immediate neighbor of A. Who sits immediately to the left of T?

- A. Z
- B. B
- C. D
- D. A

### Q29 Reasoning

Refer to the following letter series and answer the question that follows.

(Left) Z K J H G F D S T U I A W Q P L M N B X (Right)

How many letters are there in the English alphabetical series between the letter which is fifth from the right end and fourth from the left end of the series? 11611

- A. One
- B. Three
- C. Two
- D. More than three

### Q30 Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

7 - 14  
45 - 90

- A. 70 - 140
- B. 8 - 17
- C. 12 - 34
- D. 42 - 82

## Reasoning

## Q1 Reasoning

What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$558 \times 31 - 18 \div 17 + 321 = ?$$

A. 33

B. 3 

C. 16

D. 24

## Q5 Reasoning

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 163742, how many digits will appear more than once in the new number thus formed?

A. Three

B. None

C. Two 

D. One

## Q2 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)

A. DH-JN

B. FJ-LP

C. JO-QU 

D. HL-NR

## Q6 Reasoning

What will come in place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$94 \div 5 + 262 - 24 \times 6 = ?$$

A. 212 

B. 211

C. 210

D. 209

## Q3 Reasoning

All 145 people are standing in a row facing north. Ccd is 24th from the right end while Vks is 26th from the left end. How many people are there between Ccd and Vks?

A. 94

B. 98

C. 92

D. 95 

## Q7 Reasoning

Select the triad that follows the same pattern as that followed by the two sets of triads given below. Both triads follow the same pattern.  
BATH - HBAT - THBA  
TOYS - STOY - YSTO7110

A. ABLE-EABL-LEAB 

B. LOVE- OVEL -VELO

C. TOMB -OMTB -MTOB

D. CART - ACTR - CTAR

## Q4 Reasoning

In a certain code language,  
A ÷ B means 'A is the son of B',  
A # B means 'A is the wife of B',  
A + B means 'A is the brother of B' and  
A & B means 'A is the father of B'.

How is S related to H if 'S ÷ D # R & Y + H'?

A. Brother 

B. Father

C. Husband

D. Son

## Q8 Reasoning

All 165 people are standing in a row facing north. Rt is 134th from the right end while Kl is 18th from the left end. How many people are there between Rt and Kl?

A. 13 

B. 16

C. 12

D. 14



**Q9 Reasoning**

The position(s) of how many letters will remain unchanged if each letter in the word SERVANT is arranged in the alphabetical order?

- A. 1
- B. 0
- C. 3
- D. 2

**Q10 Reasoning**

In a certain code language, 'depth salad road' is coded as 'ok oh wc' and 'salad shirt rat' is coded as 'ut cu oh'. How is 'salad' coded in the given language?

- A. wc
- B. oh
- C. ut
- D. ok

**Q11 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

18, 200  
17, 1896108

- A. 22, 246
- B. 24, 264
- C. 16, 176
- D. 19, 211

**Q12 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

FIN KNS PSX UXC ?

- A. YSK
- B. KLM
- C. JKP
- D. ZCH

**Q13 Reasoning**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)3675

- A. FCZ
- B. BZV
- C. EBY
- D. TQN

**Q14 Reasoning**

Seven people H, I, J, K, W, Y and Z are sitting in a row facing north. No one sits to the left of H. Only four people sit between H and I. Only three people sit to the right of W. Z sits to the immediate left of J. Y is not an immediate neighbor of W. How many people sit between Y and W?

- A. Two
- B. One
- C. Three
- D. Four

**Q15 Reasoning**

Refer to the following number series and answer the question that follows. Counting to be done from left to right only. (All numbers are single-digit numbers only.)

(Left) 6 4 2 9 3 2 6 8 4 2 8 8 1 6 7 6 5 8 7 5 4 3 4 (Right)

How many such odd digits are there, each of which immediately preceded by an even digit and also immediately followed by an odd digit?

- A. None
- B. One
- C. Two
- D. Three

**Q16 Reasoning**

X is the mother of F. F is the sister of T. U is the father of K. K is the son of T. How is X related to K?

- A. Mother
- B. Sister
- C. Mother's sister
- D. Mother's mother

### Q17 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).  
Statements: All ants are wings. No logs are wings.

Conclusion (I): No logs are ants.

Conclusion (II): Some wings are ants.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows

C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows

### Q18 Reasoning

What should come in place of the '?' in the given series?

15 22 40 67 105 152 ?

A. 156

B. 167

C. 210

D. 165

### Q19 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)13319

A. KJM

B. ZYB

C. FEH

D. TTV

### Q20 Reasoning

Mr. Vasu starts from Point A and drives 25 km towards the north. He then takes a left turn, drives 17 km, turns left and drives 9 km. He then takes a right turn, drives 5 km, turns left and drives 20 km. He then takes a left turn and drives 29 km. He takes a final left turn, drives 4 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

A. 10 km to the east

B. 9 km to the south

C. 8 km to the north

D. 7 km to the west

### Q21 Reasoning

Refer to the following letter series and answer the question.

(Counting to be done from left to right only)

(Left) R C X Z H M E D F T B S I K A Q Y O W G U (Right)

How many such consonants are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?

A. 9

B. 7

C. 10

D. 8

### Q22 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

Some fishes are watches.

No watch is an octopus.

#### Conclusions:

(I) Some fishes are octopus.

(II) Some watches are fishes.

A. Only conclusion (I) follows

B. Only conclusion (II) follows

C. Neither conclusion (I) nor (II) follows

D. Both conclusions (I) and (II) follow

### Q23 Reasoning

Seven people F, G, H, L, M, O and Q are sitting in a row facing north. Only five people sit between G and O. H sits to the immediate left of O. Only one person sits between H and F. Q sits immediately to the left of L. How many people sit between L and O?

A. Four

B. Three

C. One

D. Two

### Q24 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?

LMO STV ZAC GHJ ?

A. NOQ

B. NPP

C. NNP

D. MPQ

**Q25 Reasoning**

What should come in place of '?' in the given series?

111 114 120 129 ? 156

A. 148

B. 151

C. 144

D. 141

**Q26 Reasoning**

In a certain code language, 'BIKE' is coded as '4821' and 'KITE' is coded as '2146'. What is the code for 'B' in the given code language?

A. 2

B. 8



C. 4

D. 1

**Q27 Reasoning**

What should come in place of '?' in the given series based on the English alphabetical order?

COV ERX GUZ IXB ?

A. LBE

B. LAC

C. KAD



D. MAD

**Q28 Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DGD-ADA

ILI-FIF

A. ADA-XAX



B. ACY-XAX

C. ADA-WAW

D. ACY-WZW

**Q29 Reasoning**

Pqr ranked 71<sup>st</sup> from the bottom and 39<sup>th</sup> from the top in his class. How many students are there in his class?

A. 107

B. 108

C. 109



D. 113

**Q30 Reasoning**

Select the triad which follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

DF - HJ - LN

GI - KM - OQ

A. HI - MP - SU

B. ME - QK - XQ

C. AC - EG - IK



D. EB - IG - NL

## Reasoning

## Q1 Reasoning

If 'A' stands for '+', 'B' stands for '-', 'C' stands for '×' and 'D' stands for '÷', what will come in place of the question mark (?) in the following equation?

$$34 B 45 D 5 A 2 C 4 = ?$$

A. 33



B. 37

C. 35

D. 31

## Q2 Reasoning

Seven boxes M, N, O, P, X, Y and Z are kept one over the other but not necessarily in the same order. Only N is kept above P. Only two boxes are kept between P and X. Only O is kept below Y. Z is not kept immediately above X. Which box is kept second above M?8091

A. X

B. P



C. Z

D. O

## Q3 Reasoning

Seven boxes R, A, N, D, O, M and S are kept one over the other but not necessarily in the same order. Only five boxes are kept above N. Only three boxes are kept between N and S. O is kept at one of the positions below N. Only D is kept between S and R. A is kept at one of the positions above S. How many boxes are kept between R and O?61

A. Two



B. Four

C. Three

D. One

## Q4 Reasoning

If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 8254316, then what will be the sum of the digits that are third from the left and third from the right in the new number thus formed?

A. 14



B. 15

C. 12

D. 13

## Q5 Reasoning

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements.  
Statements: Some butters are vegetables. All scales are vegetables.  
Conclusions (I) Some butters are scales.  
Conclusions (II) All vegetables are scales.

A. Only conclusion (I) follows

B. Neither conclusion (I) nor (II) follows



C. Only conclusion (II) follows

D. Both conclusions (I) and (II) follow

## Q6 Reasoning

Seven boxes, G, H, I, L, M, N and O, are kept one over the other, but not necessarily in the same order.  
No box is kept below L. Only four boxes are kept between M and L. H is kept above M. Only two boxes are kept between O and N. I is kept immediately above G. N is not kept immediately above I. Which box is kept fourth from the bottom?

A. I



B. M

C. N

D. O

## Q7 Reasoning

Each vowel in the word CONTACT is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. Which of the following letters will be first from the right in the new group of letters thus formed?

A. R

B. T

C. U

D. S



## Q8 Reasoning

In a certain code language, 'zip sip unit' is coded as 'zm ax jn' and 'wife zip house' is coded as 'jn yc fj'. How is 'zip' coded in that language?

A. ax

B. yc

C. jn



D. zm



### Q9 Reasoning

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

DCF-GFI  
YXA-BAD

A. TSV-VVX

B. RQT-UTW

C. TRT-WVY

D. TRT-VUX

### Q10 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PHX 80, TLB 73, XPF 66, BTJ 59, ?

A. GYM 44

B. HYN 49

C. GWM 50

D. FXN 52

### Q11 Reasoning

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) R D A U F U E Q Y U M U Y G J S P B A J L Q S H (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?  
11021

A. Two

B. One

C. Three

D. Four

### Q12 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

PSV3, WZC13, DGJ23, KNQ33, ?

A. RVX43

B. SUX43

C. RUX43

D. RUY43

### Q13 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

All desktops are fans.

All fans are cups.

#### Conclusions:

(I) Some cups are fans.

(II) All desktops are cups.

A. Both conclusions (I) and (II) follow

B. Only conclusion (I) follows

C. Only conclusion (II) follows

D. Neither conclusion (I) nor (II) follows

### Q14 Reasoning

In a certain code language,  
A ÷ B means 'A is the son of B',  
A # B means 'A is the wife of B',  
A + B means 'A is the brother of B' and  
A & B means 'A is the father of B'.

How is S related to H if 'S + D & R # Y ÷ H'?

A. Son's wife's father's sister

B. Son's wife's father's brother

C. Son's wife's brother's son

D. Wife's father's brother

### Q15 Reasoning

Refer to the given number series and answer the question that follows. All numbers are single-digit numbers only. Counting to be done from left to right only.

(Left) 3 9 5 3 8 4 4 2 9 8 9 4 6 6 5 7 7 2 4 1 3 6 3 (Right)

How many such even digits are there, each of which is immediately preceded by an odd digit and also immediately followed by an even digit?

A. Four

B. Two

C. One

D. Three

**Q16 Reasoning**

A is the wife of C. L and O are the son and daughter of C, respectively. Q is the wife of L and L is the father of G. M is the husband of O and M is the father of D. How is A related to D?

- A. Sister
- B. Mother
- C. Mother's mother
- D. Father's mother

**Q17 Reasoning**

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(5, 8, 14)  
(19, 22, 28)

- A. (26, 29, 34)
- B. (15, 18, 34)
- C. (34, 37, 43)
- D. (41, 44, 52)

**Q18 Reasoning**

Anamika starts from Point A and drives 2 km towards the north. She then takes a right turn, drives 5 km, turns right and drives 7 km. She then takes a right turn and drives 8 km. She takes a final right turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should she drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 4 km to the east
- B. 2 km to the west
- C. 1 km to the east
- D. 3 km to the east

**Q19 Reasoning**

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

OSR NRQ MQP LPO ?

- A. KNM
- B. KON
- C. KLN
- D. KPM

**Q20 Reasoning**

A, B, D, J, O, T and Z are sitting around a circular table facing the center. Only two people sit between A and Z when counted from the left of A. J is an immediate neighbor of Z. Only one person sits between J and O when counted from the left of J. O is not an immediate neighbor of Z. T sits immediately to the left of D. How many people sit between B and O when counted from the left of O?

- A. Three
- B. Two
- C. Five
- D. Four

**Q21 Reasoning**

If + means -, - means  $\times$ ,  $\times$  means  $\div$ , and  $\div$  means +, then what will come in place of the question mark (?) in the following equation?

$$41 - 16 \div 271 + 611 \times 13 = ?$$

- A. 860
- B. 812
- C. 880
- D. 866

**Q22 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

- A. QM - XJ
- B. LG - SC
- C. RD - YA
- D. HP - OM

**Q23 Reasoning**

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. F sits third to the left of A and F sits third to the right of D. E sits third to the left of B and B sits to the immediate left of G. How many people sit between G and E?

- A. One
- B. Three
- C. Two
- D. None



#### Q24 Reasoning

In a certain code language, "JCPV" is coded as "51" and "DYSF" is coded as "48". What is the code for "HTOB" in that given language?

A. 57



B. 49

C. 53

D. 50

#### Q25 Reasoning

Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group.

Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. GAU

B. ICW

C. NHB

D. FZO



#### Q26 Reasoning

Select the pair which follows the same pattern as that followed by the two sets of pairs given below. Both pairs follow the same pattern.

DKW : HEV

EGK : IAJ3148

A. FQK : JKL

B. JGX : NAV

C. SOT : WJS

D. LRD : PLC



#### Q27 Reasoning

What should come in place of '?' in the given series?

47 61 78 98 121 147 ?

A. 180

B. 176



C. 173

D. 168

#### Q28 Reasoning

What should come in place of the '?' in the given series?

8 15 28 53 ? 199

A. 101

B. 103

C. 104

D. 102



#### Q29 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group.

Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. KH - MJ

B. IF - KH

C. NK - PM

D. PM - NM



#### Q30 Reasoning

Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern.

FORK - ORKF - RKFO

TUCK - UCKT - CKTU

A. THEM - MTHE - EMTH

B. CLOT - CTLO - COTL

C. FUND - UNFD - NFUD

D. BAKE - AKEB - KEBA



## Reasoning

## Q1 Reasoning

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

89, 104

157, 172

A. 138, 153

B. 97, 111

C. 39, 64

D. 56, 72

## Q4 Reasoning

In a certain code language,

$A \leftarrow B$  means 'A is the wife of B',

$A \geq B$  means 'A is the brother of B',

$A @ B$  means 'A is the father of B', and

$A \text{ £ } B$  means 'A is the daughter of B'.

Based on the above, how is P related to U if ' $P \text{ £ } D \leftarrow M @ L \geq U$ '?

A. Mother

B. Daughter

C. Sister

D. Wife

## Q5 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

BVY 32, WQT 16, RLO 8, MGJ 4, ?

A. REX 4

B. LFY 8

C. HBE 2

D. HCD 2

## Q2 Reasoning

Seven people, A, B, U, D, R, H and J, are sitting in a row, facing north. Only five people sit to the right of D. Only four people sit to the left of H. R is the immediate neighbour of A and D. J sits to the immediate right of B.

How many people sit between U and D?

A. One

B. None

C. Two

D. Three

## Q6 Reasoning

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept above C. Only one box is kept between D and C. Only three boxes are kept between D and E. E is kept at some place above C. G is kept immediately below E. F is kept at one of the places above B. A is not kept immediately above or below D. Which box is kept immediately above F?

A. C

B. A

C. D

D. G

## Q3 Reasoning

Each vowel in the word PERBLAD is changed to the letter immediately following it in the English alphabetical order, and each consonant is changed to the letter immediately preceding it in the English alphabetical order. How many letters will appear exactly twice in the new group of letters thus formed?

A. Two

B. One

C. Three

D. Zero

**Q7 Reasoning**

If 3 is added to each odd digit and 2 is subtracted from each even digit in the number 8254316, then how many digits will appear more than once in the new number thus formed?

- A. Three
- B. One
- C. None
- D. Two

**Q8 Reasoning**

In a certain code language, 'bat view month' is coded as 'nd wz nh' and 'oven month gum' is coded as 'on ju wz'. How is 'month' coded in the given language?

- A. nh
- B. wz
- C. on
- D. nd

**Q9 Reasoning**

Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?  
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. KMP
- B. FHK
- C. DFJ
- D. QSV

**Q10 Reasoning**

Six boxes D, E, F, G, H and A are kept one over the other but not necessarily in the same order. Only three boxes are kept below A. Only two boxes are kept between A and E. No box is kept above G. H is kept at some place below F and at some place above D. How many boxes are kept between H and D?9927

- A. Zero
- B. Three
- C. One
- D. Two

**Q11 Reasoning**

In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.

FORT - RTFO - TROF  
SIGN - GNSI - NGIS

- A. DIRT - TRID - IRTD
- B. RAFT - FTRA - TFAR
- C. DOVE - OVED - EVOD
- D. FILE - LEFI - ELFI

**Q12 Reasoning**

Refer to the given letter series and answer the question that follows.

(Left) S E S I B V V R R I Y S S P B T K S A P P (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- A. Two
- B. Three
- C. None
- D. One

**Q13 Reasoning**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: Some pens are markers. All markers are stands.  
Conclusion (I) : Some pens are stands  
Conclusion (II) : All stands are markers

- A. Neither conclusion (I) nor (II) follows
- B. Only conclusion (II) follows
- C. Only conclusion (I) follows
- D. Both conclusions (I) and (II) follow

**Q14 Reasoning**

In a certain code language, 'tale jaw bow' is coded as 'vl ud np' and 'law bow fresh' is coded as 'pq re ud'. How is 'bow' coded in the given language?

- A. vl
- B. ud
- C. np
- D. pq

**Q15 Reasoning**

In a certain code language,  
 $A \times B$  means 'A is the mother of B',  
 $A - B$  means 'A is the brother of B',  
 $A + B$  means 'A is the wife of B' and  
 $A * B$  means 'A is the father of B'.

How is H related to J if 'H + I \* O × D - J'?

- A. Mother
- B. Mother's sister
- C. Sister
- D. Mother's mother** ✓

**Q16 Reasoning**

Seven people, S, T, I, C, K, E and R, are sitting in a row, facing north. Only two people sit between C and I. Only K sits to the right of E. Only one person sits between I and E. S sits at some place to the right of R but at some place to the left of T. Who sits third from the right end of the line?

- A. C
- B. I
- C. T** ✓
- D. S

**Q17 Reasoning**

What should come in place of the '?' in the given series?

6 15 29 54 84 125 ?

- A. 179
- B. 171** ✓
- C. 173
- D. 177

**Q18 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster.)

- A. YH - UD
- B. KS - GO
- C. RM - IN** ✓
- D. DP - ZL

**Q19 Reasoning**

Each of the digits in the number 3749685 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?

- A. Two** ✓
- B. None
- C. One
- D. Three

**Q20 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
 ADG 3 EHK 6 ILO 9 MPS 12 ?

- A. QSW 15
- B. QTW 15** ✓
- C. QTV 15
- D. RUX 15

**Q21 Reasoning**

Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.

VUT-PON  
 TSR-NML

- A. YWU-SRQ
- B. YXW-SRQ** ✓
- C. YXW-RRP
- D. YWU-RQP

**Q22 Reasoning**

Rishi starts from Point A and drives 23 km towards the north. He then takes a left turn, drives 8 km, turns left and drives 28 km. He then takes a left turn and drives 17 km. He takes a final left turn, drives 5 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)

- A. 9 km to the west** ✓
- B. 9 km to the east
- C. 8 km to the west
- D. 8 km to the east

**Q23 Reasoning**

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?  
BDF 2 FHJ 5 JLN 8 NPR 11 ?

- A. SVX 14
- B. SSV 14
- C. RUV 14
- D. RTV 14

**Q27 Reasoning**

Which two numbers should be interchanged to make the given equation correct?

$$(6 \times 14) \div 2 + 18 \times 4 - 28 \div 7 + 34 = 87$$

- A. 6 and 4
- B. 7 and 4
- C. 14 and 18
- D. 4 and 2

**Q24 Reasoning**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements: All vans are trailers. No trailer is a scooter.

Conclusion (I) : No van is a scooter

Conclusion (II) : Some scooters are trailers

- A. Both conclusions (I) and (II) follow
- B. Only conclusion (II) follows
- C. Neither conclusion (I) nor (II) follows
- D. Only conclusion (I) follows

**Q28 Reasoning**

In the following triad, each group of letters is related to the subsequent one following a certain logic. Select, from the given options, the one which follows the same logic.

WORD - RWOD - DROW

JAMS - MJAS - SMAJ7961

- A. VAST - SVAT - ASTV
- B. AGES - AEGS - SEGA
- C. POLE - OPLE - EOLP
- D. YEAR - AYER - RAEY

**Q29 Reasoning**

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) L R I D P E Q Y H D V Q U Y L X F H A U Z (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a consonant?11034

- A. None
- B. One
- C. Two
- D. Three

**Q30 Reasoning**

Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only three boxes are kept below D. Only two boxes are kept between D and C. Only F is kept above G. B is kept at some place below A and some place above E. Which box is kept immediately above B?46

- A. C
- B. D
- C. A
- D. F

**Q25 Reasoning**

What should come in place of '?' in the given series?  
80 ? 89 98 110 125

- A. 82
- B. 83
- C. 85
- D. 84

**Q26 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pairs.)16112

- A. KQ-IC
- B. SY - QK
- C. VB-TN
- D. PV - MH



## Reasoning

## Q1 Reasoning

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(158, 141, 177)  
(164, 147, 183)

A. (146, 129, 163)

B. (122, 105, 139)

C. (131, 114, 151)

D. (119, 102, 138) ✓

## Q2 Reasoning

What should come in place of '?' in the given series?  
152 140 134 122 116 104 ?

A. 101

B. 100

C. 95

D. 98 ✓

## Q3 Reasoning

Each letter in the word HARMFUL is arranged in the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

A. 4

B. 5 ✓

C. 6

D. 2

## Q4 Reasoning

In a certain code language, 'yak lock zip' is coded as 'je tc ly' and 'zip shirt cake' is coded as 'rl jg tc'. How is 'zip' coded in the given language?

A. tc ✓

B. je

C. ly

D. rl

## Q5 Reasoning

In a certain code language,  
A = B means 'A is the sister of B',  
A \$ B means 'A is the brother of B',  
A @ B means 'A is the wife of B' and  
A \* B means 'A is the father of B'.

How is W related to G if 'W \* F = K \$ L @ G'?

A. Father

B. Brother

C. Wife's father ✓

D. Wife's brother

## Q6 Reasoning

What should come in place of ? in the given series based on the English alphabetical order?  
MQS QUW UYA YCE ?

A. CDF

B. CHH

C. CFH

D. CGI ✓

## Q7 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

VRX 1, TPV 4, RNT 9, PLR 16, ?

A. GSP 49

B. NJP 25 ✓

C. KPR 36

D. DOP 36

**Q8 Reasoning**

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

A. EH - KM 

B. HJ - NP

C. BD - HJ

D. LN - RT

**Q9 Reasoning**

BEGH is related to HKMN in a certain way based on the English alphabetical order. In the same way, FIKM is related to LOQS. To which of the following is LNPS related, following the same logic? 14650

A. RTVY 

B. QSUX

C. KMOR

D. MOQT

**Q10 Reasoning**

ZACY is related to VWYU in a certain way based on the English alphabetical order. In the same way, QRTP is related to MNPL. To which of the following is CDFB related, following the same logic? 10017

A. YAAI

B. YZAX

C. YYAX

D. YZBX **Q11 Reasoning**

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. VRO

B. KGD

C. QMJ

D. SOP **Q12 Reasoning**

SMAL is related to PIVF in a certain way based on the English alphabetical order. In the same way, GWGN is related to DSBH. To which of the following options is XKRV related, following the same logic? 13390

A. UGMP 

B. UPLO

C. UGPM

D. UMPG

**Q13 Reasoning**

What should come in place of the '?' in the given series?

3 ? 90 360 1080 2160 2160

A. 15

B. 36

C. 18 

D. 21

**Q14 Reasoning**

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.

(Left) D E I V D I J Y T Z A K F Z S M U I Y E Q (Right)

How many such vowels are there, each of which is immediately preceded by a consonant and also immediately followed by a vowel? 11036

A. Three

B. Four

C. One

D. Two **Q15 Reasoning**

If 'A' stands for '+', 'B' stands for 'x', 'C' stands for '+' and 'D' stands for '-', then what will come in place of the question mark (?) in the following equation?

41 D 44 C 9 A 21 B 7 = ?

A. 2

B. 3

C. 0 

D. 1

### Q16 Reasoning

In a row of 42 people facing the north, Amala sits 18<sup>th</sup> from the left end. If only 12 people sit to the right of Sneha, then how many people sit between Amala and Sneha?

A. 12

B. 11

C. 10

D. 9

### Q17 Reasoning

Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. WE - ZJ

B. BM - EQ

C. OA - RE

D. SZ - VD

### Q18 Reasoning

Which of the following two numbers should be interchanged to make the given equation correct?

$$(12 \times 8) \div 6 + 4 \times 13 - (36 \div 9) \times 15 + 25 = 49$$

A. 4 and 6

B. 13 and 15

C. 12 and 36

D. 4 and 8

### Q19 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

#### Statements:

All tables are boxes.

Some boxes are desktops.

#### Conclusions:

(I) Some tables are desktops.

(II) Some boxes are tables.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

### Q20 Reasoning

Mr. Yorly starts from Point A and drives 11 km towards West. He then takes a left turn, drives 13 km, turns left and drives 30 km. He then takes a left turn, drives 26 km, turns left and drives 5 km. He then takes a left turn and drives 8 km. He takes a final right turn, drives 14 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only unless specified.)

A. 2 km to the East

B. 5 km to the South

C. 3 km to the East

D. 6 km to the North

### Q21 Reasoning

Seven people, T, E, A, R, I, N and G, are sitting in a row, facing north. Only three people sit between N and I. T sits to the immediate left of I. No one sits to the right of E. Only two people sit between E and T. A sits to the immediate right of R. How many people sit between G and A?

A. Three

B. Four

C. One

D. Two

### Q22 Reasoning

Refer to the following letter series and answer the question. (Counting to be done from left to right only.)

(Left) R U U K G S R E W Y P U K Q S T E Q Q U S V (Right)

How many such consonants are there, each of which is immediately preceded by a vowel and also immediately followed by a vowel?

A. 0

B. 2

C. 1

D. 3

### Q23 Reasoning

What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GTXI BXUK WBRM RFOO ?

A. NKKQ

B. MKLR

C. NJKR

D. MJLQ

#### Q24 Reasoning

In a certain code language,  
A + B means 'A is the father of B',  
A - B means 'A is the sister of B',  
A × B means 'A is the daughter of B', and  
A ÷ B means 'A is the mother of B'.

Based on the above, how is P related to T if 'P ÷ Q - R + S × T'?

A. Husband's mother

B. Son's daughter

C. Sister's daughter

D. Daughter's daughter

#### Q25 Reasoning

Seven boxes, I, J, K, L, Q, R and S, are kept one over the other, but not necessarily in the same order.

Only Q is kept above I. Only two boxes are kept between I and S. R is kept immediately below I. Only K is kept below L.

Which box is kept second above J?

A. I

B. S

C. Q

D. R

#### Q26 Reasoning

If + means -, - means ×, × means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$62 - 9 \div 94 + 480 \times 15 = ?$$

A. 629

B. 620

C. 611

D. 606

#### Q27 Reasoning

In a row of 54 students facing the north, Gagan is 13<sup>th</sup> from the right end. If Nitin is 17<sup>th</sup> to the left of Gagan, what is Nitin's position from the left end of the row?

A. 23rd

B. 30th

C. 27th

D. 25th

#### Q28 Reasoning

Ay, Bx, Cu, Dq, Ep, Fv and Gt are sitting around a circular table, facing the centre.

Cu sits second to the left of Fv. Gt sits second to the left of Cu. Dq sits to the immediate left of Ep. Ay sits second to the right of Ep. How many people sit between Bx and Ep when counted from the left of Bx?

A. Two

B. One

C. Four

D. Three

#### Q29 Reasoning

Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

##### Statements:

All drawings are mountains.

All mountains are planes.

##### Conclusions:

(I) Some planes are mountains.

(II) All drawings are planes.

A. Neither conclusion (I) nor (II) follows

B. Only conclusion (II) follows

C. Both conclusions (I) and (II) follow

D. Only conclusion (I) follows

#### Q30 Reasoning

In a certain code language, 'COLD' is coded as '4928' and 'CLOG' is coded as '7428'. What is the code for 'D' in the given code language?

A. 9

B. 4

C. 8

D. 2