

RRB ALP 2025 CBT 1

Assistant Loco Pilot · CEN 01/2025 · Question Paper Compilation

Marathi

All 5 Shifts (Sets) · Official Answer Key

About this Compilation

This booklet compiles all **5 shift papers** of the **RRB ALP 2025 CBT 1** examination (CEN 01/2025) in **Marathi**, 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 set (clickable).
- Questions appear in shift order, numbered 1 onward within each set.
- Diagram and wide-table questions appear at full width at the end of their set.
- The correct answer is highlighted in green with a tick.

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Index — All Sets (click to open)

Set 1

13 Feb 2026

9:00 AM - 10:00 AM

Set 2

16 Feb 2026

4:00 PM - 5:00 PM

Set 3

17 Feb 2026

4:00 PM - 5:00 PM

Set 4

18 Feb 2026

9:00 AM - 10:00 AM

Set 5

18 Feb 2026

4:00 PM - 5:00 PM

Q1

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

$$22 \div 11 \times 11 + 50 - 32 = ?$$

A. 6

B. 4



C. 5

D. 2

Q2

When the one-third of a number is increased by 25, the result is 87. Find the sum of the digits of the original number.

A. 15



B. 17

C. 18

D. 14

Q3

Good governance means:

A. powerful political leaders

B. only strict laws

C. government control over the media

D. transparent, accountable, and citizen-friendly administration



Q4

Each of G, J, M, O, R, S and T has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

S has an exam on Friday. Only two people have exams between G and S. Only four people have exams between M and G. J has an exam immediately after T. R does not have an exam on Monday.

How many people have exams between R and O?

A. दोन

B. चार



C. तीन

D. एक

Q5

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 conclusion(s) logically follow(s) from the statements.

Statements:

All taps are bats.

All bats are mugs.

Conclusions:

(I) Some mugs are bats.

(II) All taps are mugs.

A. only conclusion (ii) follows.

B. neither conclusion (i) nor (ii) follows.

C. only conclusion (i) follows.

D. both conclusions (i) and (ii) follow.



Q6

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

(Note: All numbers are single digit numbers only.)

(Left) 6 £ 2 @ % 7 8 # 1 3 * 9 \$ & 4 ^ < 5 (Right)

How many such symbols are there, each of which is immediately preceded by a number and also immediately followed by another number?

A. none

B. two

C. three



D. one

Q7

A person drove at 53 kmph for 2.5 hours, then increased his speed by 28 kmph, and reached the destination in another hour. Find the average speed (in kmph) of the person during the entire journey.

A. 61



B. 58

C. 60

D. 59

Q8

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

(Left) X # \$ L K M O > ? A S + T % @ A P & ? X Z R @ * + # I O ? & @ E R \$ Y U ? (Right)

How many such symbols are there each of which is immediately preceded by a letter and also immediately followed by a letter?

A. 3

B. 1

C. 2



D. 4

Q9

This question is based on the five, three-digit numbers given below.

(Left) 567 154 264 614 328 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What will be the resultant if third digit of the highest number is added to the second digit of lowest number?

A. 8

B. 6

C. 9



D. 5

Q10

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. Only three people live between Y and H, where Y lives below H. G lives on an odd-numbered floor and immediately above Y. S lives on one of the floors below A and on one of the floors above P. Who lives on floor numbered 5?

A. a



B. g

C. y

D. p

Q11

If 1 is added to each odd digit and 2 is subtracted from each even digit in the number 3615487, which of the following digits will be second from the left?

A. 8

B. 4



C. 3

D. 2



Q12

In a circle, the diameter PQ is extended through Q to an external point X. Tangent XY is drawn to point Y on the circle. If $XY = 15$ cm and $QX = 9$ cm, then find the radius of the circle.

A. 8 cm



B. 9 cm

C. 10 cm

D. 7 cm

Q13

Two sets of numbers are given below. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE – A two/three digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits)

18 - 23 - 33 - 165

39 - 44 - 54 - 270

A. 50 - 55 - 65 - 325



B. 28 - 39 - 48 - 144

C. 7 - 17 - 17 - 34

D. 39 - 49 - 49 - 245

Q14

Sonal takes three times as much time as Parul and four times as much time as Sweety to complete the same task of decoration. Working together, they can complete the task in 6 days. How many days will Parul alone take to complete the task of decoration?

A. 12

B. 24

C. 16



D. 48

Q15

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

214 201 190 181 174 ?

A. 165

B. 171

C. 169



D. 167

Q16

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

QGY OFW MEU KDS ?

A. icr

B. idr

C. idq

D. icq



Q17

If $x\%$ of 600 = 12% of 250 + 18% of 300, then the value of x is:

A. 16

B. 12

C. 14



D. 18

Q18

Ashutosh starts from Point A and drives 19 km towards West. He then takes a left turn, drives 9 km, turns left and drives 26 km. He then takes a left turn and drives 19 km. He takes a final left turn, drives 7 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 south



B. 10 km to the north

C. 11 km to the south

D. 11 km to the north



Q19

IM 126 is related to LN 116 in a certain way. In the same way, KO 149 is related to NP 139. To which of the given options is RV 263, following the same logic?

A. tw 233

B. tx 253

C. uw 253



D. sx 243

Q20

A flask in the shape of a right circular cone of height 19 cm is filled with water. The water is poured in the right circular cylindrical flask whose radius is one-third of the radius of the base of the circular cone. Then, what is the height of the water in the cylindrical flask?

A. 53 cm

B. 73 cm

C. 83 cm

D. 57 cm



Q21

The LCM of the numbers 1.3, 7.6 and 0.13 is:

A. 100

B. 98.8



C. 107

D. 102

Q22

Which of the following best describes a heterogeneous mixture?

A. it is a pure substance.

B. its components are visibly distinct.



C. it has a single composition.

D. it cannot be separated physically.

Q23

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. mtp



B. jql

C. ovq

D. qxs

Q24

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among the five poles—R, A, M, E, and N—each having a different height, which one is the shortest?

(I) N is shorter than A. E is shorter than R.

(II) E is taller than N.

A. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि विधान ii या दोन्हीमधील मिळून माहिती पुरेशी नाही.



B. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii मधील माहिती पुरेशी आहे, तर विधान i मधील माहिती पुरेशी नाही.

C. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील मिळून माहिती (आणि केवळ विधान i किंवा केवळ विधान ii नाही) पुरेशी आहे.

D. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे, तर विधान ii मधील माहिती पुरेशी नाही.



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Q25

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 cows are buttons.

All fingers are buttons.

Conclusions:

(I) No cows are fingers.

(II) Some fingers are cows.

A. only conclusion (i) follows.

B. both conclusions (i) and (ii) follow.

C. neither conclusion (i) nor (ii) follows. ✓

D. only conclusion (ii) follows.

Q26

Among five people named V, W, X, Y and Z, each have a certain age. X is four times the age of Y. V's age is equal to the age of X. Y is one-third the age of Z. W is half the age of V. If the age of Z is 12, what is the age of W?

A. 4

B. 8 ✓

C. 15

D. 6

Q27

A shopkeeper fixes the marked price of an item 20% above its cost price. What percentage of discount should he offer to gain 2%?

A. 12%

B. 15% ✓

C. 18%

D. 17%

Q28

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. jn - gk

B. nr - ko

C. pt - mr ✓

D. ei - bf

Q29

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Four relatives – Leena, Mona, Pooja, and Reema – are of different ages.

Who is the second oldest?

(I) Mona is older than Leena but younger than Reema.

(II) Pooja is younger than Reema but older than Mona.

A. data in statement ii alone is sufficient to answer the question while data in statement i is not

B. data in both statements i and ii together (and not statement i alone or statement ii alone) are sufficient to answer the question ✓

C. data in both statements i and ii together are not sufficient to answer the question

D. data in statement i alone is sufficient to answer the question while data in statement ii is not

Q30

In a code language, 'HUGE' is coded as 82 and 'MERCY' is coded as 128. How will 'ASPECT' be coded in the same language?

A. 88

B. 116

C. 96

D. 128 ✓



Q31

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 third from the top. Only one box is kept between A and D but D is not kept on the top. Only two boxes are kept between C and D. Only one box is kept between B and E and E is immediately above G. Which box is second from the top?

A. g

B. e

C. d

D. c

**Q32**

5% of a number is what percentage of 4% of the same number?

A. 80%

B. 125%



C. 27.78%

D. 55.55%

Q33

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

JNS – NRW – RVA

LPU – PTY – TXC

A. uyd – ych – cgl



B. mqv – quz – vze

C. uyd – yci – cgl

D. rva – vze – zdh

Q34

What sum (in ₹) will earn an interest of ₹480 in 2 years at 10% simple interest per year?

A. 2550

B. 2200

C. 2400



D. 2600

Q35

In a certain code language,

'M + N' means 'M is the brother of N',

'M - N' means 'M is the husband of N',

'M x N' means 'M is the sister of N' and

'M ÷ N' means 'M is the mother of N'.

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

A. father's brother

B. mother's brother

C. father



D. brother

Q36

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

(Left) \$ T % K L € & € G R Y @ A W # Y © R B * O Y

(Right)

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

A. 4



B. 5

C. 3

D. 6

Q37

Aryan starts from point P and walks for 4 m towards the south. Then he takes a left turn and walks for 3 m. Then he takes one more left turn and walks for 8 m. Then he takes a right turn and walks for 2 m. Then he takes the last right turn and walks for 4 m before stopping at point Q. Towards which direction should he walk in order to reach point P again? (All turns are 90-degree turns only unless specified.)

A. पश्चिम



B. दक्षिण

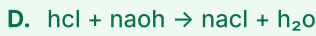
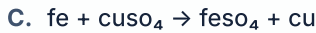
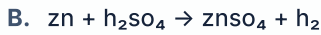
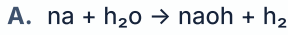
C. पूर्व

D. उत्तर



Q38

Which reaction is NOT a displacement reaction?



Q39

Each vowel in the word PROVIDE 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 number thus formed?

A. u

B. c

C. q

D. p ✓

Q40

D, E, F, G, K, L and M are sitting around a circular table, facing the centre of the table.

D sits fourth to the right of K. Only two people sit between L and G when counted from the left of L. F sits third to the left of E. M is an immediate neighbour of E and G.

How many sit people between D and M when counted from the left of M?

A. one

B. four ✓

C. three

D. two

Q41

If an object is moved from beyond the center of curvature towards the focus in front of a concave mirror, the image _____.

A. becomes smaller and moves closer to the mirror

B. remains the same size and position

C. becomes virtual and moves towards the mirror

D. becomes larger and moves away from the mirror ✓

Q42

Two trains A and B are running in opposite directions with speeds of 66 km/hr and 60 km/hr, respectively. If the length of the train A is 240 m and they cross each other in 10 seconds, then find the length of the train B.

A. 120 m

B. 144 m

C. 150 m

D. 110 m ✓

Q43

What is the mode of the following data?

44, 45, 51, 50, 53, 54, 46, 40, 51, 46, 40, 42, 55, 42, 44, 55, 49, 44

A. 40

B. 51

C. 44 ✓

D. 55

Q44

If the interest earned during the 2nd year on a certain sum is ₹3072, and the rate of interest is 20% per annum compounded annually, then the sum is:

A. ₹12055

B. ₹12965

C. ₹13545

D. ₹12800 ✓

Q45

Two triangles share the same base of 14 cm. The area of one triangle is 98 cm². If the area of the other triangle is twice that of the first, find the height of the second triangle.

A. 21 cm

B. 14 cm

C. 7 cm

D. 28 cm ✓



Q46

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

32 40 50 58 68 ?

A. 77

B. 78

C. 76



D. 75

Q47

18 is related to 321 following a certain logic. Following the same logic, 13 is related to 166. To which of the given options is 25 related, following the same logic?

(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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 626

B. 622



C. 426

D. 422

Q48

Which of the following is NOT lined by epithelial tissue?

A. blood



B. lung alveoli

C. skin

D. kidney tubules

Q49

KNVG is related to QIZD in a certain way based on the English alphabetical order. In the same way, HMSE is related to NHWB. To which of the following is GIUH related, following the same logic?

A. mexd

B. neyd

C. ndxe

D. mdye

**Q50**

Which of the following is NOT a characteristic of muscular tissue?

A. voluntary muscles are also called skeletal muscles.

B. muscular tissues are composed of muscle fibres.

C. muscles in limbs are voluntary muscles.

D. cardiac muscles are voluntary muscles.

**Q51**

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

(Left) \$ ^ < 9 * @ \ # ? 2 6 @ 2 \ % ^ & / 2 8 % (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?

A. three

B. two



C. none

D. one

Q52

Each of A, C, I, M, O, Q and W has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.

A has an exam on Saturday. Only 4 people have exams between M and O, neither of whom has an exam on Monday. I has an exam immediately after Q, and W has an exam immediately before Q. O has an exam after I. How many people have exams after I?

A. 1

B. 2



C. 3

D. 4



Q53

Which of the following Indian states became the third to achieve full functional literacy under the ULLAS - Nav Bharat Saaksharta Karyakram (New India Literacy Programme) in June 2025?

A. kerala

B. tripura



C. assam

D. gujarat

Q54

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. bfi

B. lps

C. qtw



D. gkn

Q55

In a certain code language, 'buy some food' is coded as 'lr tp nx' and 'food is tasty' is coded as 'nx ze jq'. How is 'food' coded in the given language?

A. lr

B. tp

C. jq

D. nx



Q56

During the propagation of sound in air, rarefaction is the region where:

A. particles are very close

B. pressure is high

C. density is minimum



D. wavelength becomes zero

Q57

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

$$243 + 9 \times 4 - 19 \div 200 = ?$$

A. 156

B. 151



C. 149

D. 144

Q58

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on first number results in the second number. Similarly, certain mathematical operation on second number results in the third number and so on. Which of the given options follows the same set of operations as in question? (NOTE – A two/three digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits)

$$2 - 4 - 16 - 32 ; 3 - 6 - 36 - 72$$

A. 5 - 10 - 100 - 200



B. 6 - 12 - 144 - 248

C. 1 - 2 - 4 - 16

D. 9 - 18 - 36 - 72

Q59

Anand purchased an item and incurred ₹82 as repair expenses. Subsequently, he sold it to Bharath with 25% profit. Eventually, Bharath sold the item for ₹2915, making 47% loss. What was the cost (in ₹) of the item for Anand just before selling it to Bharath?

A. 4397

B. 4402

C. 4398

D. 4400



Q60

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

(Left) L W X W X J S I X D V H T T Z B R P C W 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. two
- B. more than three
- C. none

D. one



Q61

D is the father of E. B is the son of F. D is married to F. K is the son of R, and R is the father of F. How is R related to D?

- A. father
- B. wife's brother
- C. wife's father



D. brother

Q62

A tuning fork is struck harder. Which of the following increases as a result?

- A. frequency and amplitude
- B. amplitude only
- C. neither frequency nor amplitude
- D. frequency only



Q63

A, B, C, D, E, F and G are sitting around a circular table facing the centre. Only two people sit between C and B when counted from the right of C. Only two people sit between B and D. Only three people sit between C and F. G sits to the immediate left of E. How many people sit between A and B when counted from the left of A?

A. 1



B. 4

C. 3

D. 2

Q64

Which of the following is NOT an example of connective tissue?

A. skin



B. bone

C. blood

D. cartilage

Q65

Find the mean proportional of 49 and 16.

A. 28



B. 24

C. 32

D. 36

Q66

A sum of ₹3,540 is divided between Nisha, Sameer and Rupesh such that if their shares are decreased by ₹760, ₹190 and ₹280, respectively, then they are in the ratio of 10 : 2 : 9. What is the original share of Sameer?

- A. ₹468
- B. ₹137
- C. ₹596
- D. ₹410



Q67

During a sale, 50% of the goods are sold at a 49% profit, 32% of the remaining goods are sold at a 45% profit and the still remaining goods are sold at a loss of 15%. If there is an overall profit of x%, then what is the value of x?

- A. 28.1%
- B. 25%
- C. 26.6%
- D. 27%



Q68

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

GTN ZMG SFZ LYS ?

A. erl



B. rds

C. erd

D. erf

Q69

The following data shows the ages of the patients admitted in a hospital during a year. What is the modal age of the patients (correct to 2 decimal places)?

Age (in years)	5 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 35	35 - 40
Number of Patients	4	10	8	2	12	6	3

A. 33.51 years

B. 29.12 years

C. 32.23 years

D. 28.13 years



Q70

PQ is a direct common tangent of two circles with centers, O_1 and O_2 , respectively, that contact each other externally at a point A. The circles have radii of 11 cm and 4 cm, respectively. Find the length of PQ.

A. $2\sqrt{11}$ cm

B. $5\sqrt{11}$ cm

C. $3\sqrt{11}$ cm

D. $4\sqrt{11}$ cm



Q71

A and B can complete a job in 12 days and 18 days, respectively. If they work together for 6 days, how much of the job is left to be done?

A. $\frac{1}{6}$ of the job



B. $\frac{1}{2}$ of the job

C. $\frac{1}{9}$ of the job

D. $\frac{1}{7}$ of the job



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Q72

$$\frac{4}{3}$$

A. 9



B. 3

C. 1

D. 19

Q73

Find the simplified value of the following expression.

$$\frac{(36 \div 3) \times (48 \div 6) - (16 \div 2)}{4}$$

A. 23

B. 21

C. 24

D. 22



Q74

Shubh marks an article 40% above its cost price. He allows a single discount of $d\%$ on the marked price and still makes a profit of 10% on the cost price. Find the discount $d\%$.

A. 23%

B. $21\frac{3}{7}\%$ C. $21\frac{2}{7}\%$

D. 22%

Q75

If $x : y = 9 : 11$, then what is the value of $\frac{\left(\frac{x+1}{y+1}\right)}{\left(\frac{x^2-1}{y^2-1}\right)}$?

A. $\frac{11k-1}{3k+1}$ B. $\frac{7k-1}{3k-1}$ C. $\frac{11k-1}{3k-1}$ D. $\frac{11k-1}{9k-1}$ 

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Q1

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

17 28 39 50 61 72 ?

A. 81

B. 87

C. 85

D. 83



Q2

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. qhc

B. jav

C. xpj



D. dup

Q3

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 mugs are goats.

All goats are squares.

Conclusions:

(I) Some mugs are squares.

(II) Some squares are goats.

A. both conclusions (i) and (ii) follow.



B. neither conclusion (i) nor (ii) follows.

C. only conclusion (ii) follows.

D. only conclusion (i) follows.

Q4

Each of G, J, M, O, R, S, and T has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week.

Only three people have exams between O and S. S has an exam on the last day of the week. Only one person has an exam between G and J. T has an exam immediately the day before M. R doesn't have an exam on Friday. J has an exam before G.

Who has an exam on Tuesday?

A. t

B. j



C. o

D. g

Q5

The double-layered covering of the nucleus is called as

A. chromatin wall

B. nuclear membrane



C. plasma membrane

D. cell wall

Q6

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

98 110 123 137 152 ?

A. 167

B. 168



C. 169

D. 170



Q7

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question:

Among 5 poles, I, L, O, M and D each having a different height, which pole is the tallest?

Statements:

(I) O is shorter than D.

(II) M is taller than D.

A. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि विधान ii या दोन्हीमधील मिळून माहिती (आणि केवळ विधान i किंवा केवळ विधान ii पुरेसे नाही) पुरेशी आहे.

B. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे, तर केवळ विधान ii मधील माहिती पुरेशी नाही.

C. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii मधील माहिती पुरेशी आहे, तर केवळ विधान i मधील माहिती पुरेशी नाही.

D. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि विधान ii या दोन्हीमधील मिळून माहिती पुरेशी नाही.

Q8

Which of the following articles in the Indian Constitution states that there shall be a Council of Ministers with the Prime Minister at the head to aid and advise the President who shall, in the exercise of his functions, act in accordance with such advice?

A. अनुच्छेद 50

B. अनुच्छेद 70

C. अनुच्छेद 74

D. अनुच्छेद 84

Q9

Which of the following ratios is the largest?

A. 17 : 30

B. 25 : 43

C. 21 : 36

D. 18 : 31

Q10

QT 3 is related to SS -16 in a certain way. In the same way, HK 7 is related to JJ -12. To which of the given options is NO 11 related, following the same logic?

A. oo -6

B. om -8

C. po -6

D. pn -8

Q11

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

ZWM URK PMI KHG ?

A. fce

B. fdf

C. fcl

D. kce

Q12

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

(Left) K N C G I N F Z X I J X M N W T K K S V V (Right)

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

A. दोन

B. एकही नाही

C. तीन

D. एक

Q13

Where was the first Lokpal Day commemoration held in 2025?

A. झोरावर सभागृह, माणेशाँ केंद्र, दिल्ली कॅन्टोनमेंट

B. सर्वोच्च न्यायालयाचे सभागृह, नवी दिल्ली

C. संसद भवन, नवी दिल्ली

D. विज्ञान भवन, नवी दिल्ली



Q14

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

$$368 + 46 \times 7 - 23 \div 183 = ?$$

A. 30



B. 33

C. 39

D. 38

Q15

A shopkeeper offers two successive discounts of 20% and 30% on a product marked at ₹10,000. He still makes a profit of 12% on the cost price of the product. What is the cost price and selling price of the product?

A. खरेदी किंमत = ₹5,000, विक्री किंमत = ₹5,600



B. खरेदी किंमत = ₹5,000, विक्री किंमत = ₹5,500

C. खरेदी किंमत = ₹4,000, विक्री किंमत = ₹5,000

D. खरेदी किंमत = ₹5,000, विक्री किंमत = ₹6,000

Q16

Seven boxes, T, W, Z, K, R, U and H are kept one over the other but not necessarily in the same order. Only two boxes are kept below W. T is kept immediately below K. Only one box is kept between H and W. H is kept immediately below T. U is kept immediately above Z. Which box is placed immediately above W?

A. t

B. z

C. k

D. r



Q17

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

(Left) N % Q E A L & M @ B & F > £ N H * # < L % P

(Right)

How many such symbols are there, each of which are immediately preceded by a letter and immediately followed by a symbol?

A. दोन



B. एकही नाही

C. तीन

D. एक

Q18

When the one-third of a number is increased by 17, the result is 72. Find the sum of the digits of the original number.

A. 11

B. 15

C. 13

D. 12



Q19

YEVA is related to KQHM in a certain way based on the English alphabetical order. In the same way, UARW is related to GMDI. To which of the given options is EKBG related, following the same logic?

A. qnju

B. aqwe

C. qwns



D. qwcg

Q20

Among five people named V, W, X, Y and Z, each have a certain age. Y is four times the age of X. V is two times the age of X. Y is five times the age of W. The age of W is 12. If Z is thrice the age of V, what is the age of Z?

A. 85

B. 89

C. 75

D. 90



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Q21

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. puz



B. int

C. chn

D. lqw

Q22

Two trains, A and B, of lengths 180 m and 220 m, respectively, are running on parallel tracks in opposite directions. They cross each other in 12 seconds. If the same two trains are moving in the same direction, they take 60 seconds for the faster train to completely cross the slower one. Find the speed (in km/h) of the faster train.

A. 80

B. 72



C. 64

D. 48

Q23

Which of the following ratios is the least?

A. 7 : 13

B. 5 : 9

C. 8 : 15



D. 4 : 7

Q24

This question is based on the five, three-digit numbers given below.

(Left) 627 458 347 491 567 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What will be the resultant if the second digit of the second highest number is added to the third digit of the lowest number?

A. 14

B. 13



C. 12

D. 11

Q25

18 is related to 54 following certain logic. Following the same logic, 33 is related to 99. To which of the following is 27 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its 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.)

A. 84

B. 85

C. 81



D. 79

Q26

Namit starts from Point A and drives 26 km towards the east. He then takes a left turn, drives 25 km, turns left and drives 33 km. He then takes a left turn and drives 35 km. He takes a final left turn, drives 7 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. उत्तरेकडे 11 km

B. दक्षिणेकडे 13 km

C. उत्तरेकडे 10 km



D. दक्षिणेकडे 12 km



Q27

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

F sits third to the left of A. C sits second to the left of D. Only A sits between E and C. B is not an immediate neighbour of F.

How many people sit between D and E when counted from the right of E?

A. 2

B. 1

C. 3



D. 4

Q28

An electronics store offers two successive discounts on a laptop priced at ₹51,000. The first discount is 10%, and the second discount is 5%. What is the final price after both discounts are applied?

A. ₹46,305

B. ₹44,305

C. ₹43,605



D. ₹43,506

Q29

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

HBU NHA TNG ZTM ?

A. fzs



B. fse

C. fdr

D. fxs

Q30

If an object is placed between infinity and the pole (P) in front of a convex mirror, what type of image will be formed?

A. real, erect, and same size as the object

B. real, inverted, and enlarged

C. virtual, erect, and diminished (smaller in size)



D. real, inverted, and diminished

Q31

Raj had a cake in the shape of a sphere of radius 8 cm. He then dipped it in chocolate and kept it in the freezer. After some time, he observed that the chocolate formed a layer of thickness 2 cm over the cake. What is the percentage increase of the surface area of the cake after it is dipped in chocolate?

A. 58.25%

B. 52.25%

C. 56.25%



D. 62.25%

Q32

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

(Left) O Q K K M I W K M F A F Y U T U B H T X S (Right)

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

A. एकही नाही

B. तीन

C. एक



D. दोन

Q33

Gopal distributed ₹25200 between his two grandsons 13-year-old Akshay and 14-year-old Atul such that they get equal money when they turn 23 years old. Till then the money is in a bank getting compound interest at 10% per annum, compounded annually. How much (in ₹) Gopal deposited in the name of Atul?

A. 13550

B. 12000

C. 13200



D. 11750



Q34

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 bombs.

No parrots are kings.

Conclusions:

(I) Some bombs are not parrots.

(II) Some bombs are kings.

A. only conclusion (i) follows.

B. both conclusions (i) and (ii) follow. ✓

C. neither conclusion (i) nor (ii) follows.

D. only conclusion (ii) follows.

Q35

The salary of an employee is first increased by 20% and then again increased by 10%. What is the total percentage increase in the salary?

A. 31%

B. 33%

C. 32% ✓

D. 30%

Q36

If 2 is subtracted from each even digit and 1 is added to each odd digit in the number 6785234, then how many digits will appear more than once in the new number?

A. चार

B. एक

C. तीन

D. दोन ✓

Q37

When a positively charged alpha particle is passed through a thin gold foil, most of the particles pass straight through without deflection. Based on Thomson's model of the atom, which of the following best explains this observation?

A. the atom contains a small, dense nucleus that repels alpha particles.

B. electrons revolve around the nucleus in fixed orbits.

C. the positive charge is uniformly distributed throughout the atom, and electrons are embedded in it. ✓

D. the positive charge and mass are concentrated at the centre of the atom.

Q38

During a sale, 48% of the goods are sold at a 31% profit, 25% of the remaining goods are sold at a 16% profit, and the rest are sold at a loss of 32%. If the overall profit is x%, what is the value of x?

A. 8

B. 4.48 ✓

C. 7.5

D. 7

Q39

Pankaj, Meera, and Ashok invest ₹62,000, ₹70,000, and ₹83,000, respectively, to start a business. At the end of the year, the total profit earned is ₹75,500. 14% of the total profit earned is given to charity and the rest is divided among them in the ratio of their profit. What will be the share of Ashok (in ₹)?

A. 25,066 ✓

B. 24,954

C. 25,206

D. 25,183



Q40

AL8 is related to EQ40 in a certain way. In the same way, MF13 is related to QK65. To which of the given options is UO5 related, following the same logic?

A. zt20

B. yt25



C. mt25

D. xt20

Q41

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 its 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)

(156,12,13)

(126,14,9)

A. (198,24,8)

B. (176,16,11)



C. (240,45,5)

D. (196,15,13)

Q42

What happens at the boiling point of a liquid?

A. particles lose energy and move closer together.

B. particles expand slightly and remain in liquid form.

C. particles gain enough energy to change into vapour.



D. particles remain fixed and do not move at all.

Q43

Select the set in which the numbers are related in the same way as are the numbers of the given 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(29, 116, 348)

(22, 88, 264)

A. (21, 94, 252)

B. (26, 104, 332)

C. (15, 60, 120)

D. (17, 68, 204)

**Q44**

Two positive integers have HCF = 12 and LCM = 924. If one of the numbers is 84, what is the other number?

A. 96

B. 180

C. 132



D. 72

Q45

M is the mother of O. O is the sister of J. T is the daughter of K. T is the sister of J. J is the father of B. B is the wife of F. How is M related to K?

A. husband

B. sister

C. brother

D. wife

**Q46**

In a distribution, if the median is 42 and the mode is 36, then find the value of the mean.

A. 42

B. 45



C. 40

D. 36



Q47

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. los



B. osv

C. gkn

D. txa

Q48

What is the mode of the following data?

89, 89, 64, 86, 64, 79, 81, 85, 82, 81, 75, 85, 82, 84, 61, 82, 81, 64, 74, 71, 61, 68, 77, 64, 79

A. 89

B. 82

C. 64



D. 81

Q49

Each of A, C, I, M, O, Q and W has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. M has an exam on Thursday. Exactly 4 people have their exams between O and A, neither of whom has an exam on Sunday. Q has an exam immediately before C. I does not have an exam on Friday. O does not have an exam after C.

How many people have exams after A?

A. 2

B. 4

C. 3

D. 1

**Q50**

In a code language, 'AGENT' is coded as GAHTN and 'ADOPT' is coded as DARTP. How will 'DRINK' be coded in the same language?

A. reknl

B. seknm

C. rdlkn



D. sdlkm

Q51

In a certain code language,

'A + B' means 'A is the daughter 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 sister of B'.

Based on the above, how is Q related to P if 'Q × M + V - J ÷ P'?

A. भाऊ

B. बहिणीचा मुलगा



C. वडील

D. बहिणीचा पती

Q52

The price of an article was ₹1600. It increased by 15% in the first year and by 20% in the second year. What is the price (in ₹) of the article after two years?

A. 2106

B. 1840

C. 2208



D. 1920



Q53

Refer to the following letter series and answer the question that follows. Counting to be done from left to right only.
(Left) W U G E K L T Q J W U J V E S C V K J T C (Right)
How many such vowels are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?

A. एकही नाही



B. एक

C. तीनापेक्षा अधिक

D. दोन

Q54

What sum (in ₹) will earn an interest of ₹480 in 2 years at 6% simple interest per year?

A. 4200

B. 4150

C. 4000



D. 3800

Q55

Seven boxes, T, U, V, W, X, Y and Z are kept one over the other but not necessarily in the same order. Only one box is kept above X. T is kept immediately above Y. U is placed immediately below Y. V is kept fifth from the bottom. W is kept on one of the positions below Z. What box is kept at the top?

A. v

B. t

C. z



D. u

Q56

D, E, F, G, I, J and K are sitting around a circular table, facing the centre of the table.
G is the immediate neighbour of both D and J. J sits third to the left of I. K sits to the immediate left of I. F is not an immediate neighbour of J.
Who sits third to the left of E?

A. k

B. d



C. f

D. i

Q57

The ability of the eye lens to adjust its focal length to see objects clearly at different distances is called:

A. range of vision

B. persistence of vision

C. power of convergence

D. power of accommodation

**Q58**

Refer to the following series and answer the question (All numbers are single digit numbers only. Counting to be done from left to right.)
(Left) 3 7 2 6 2 7 3 8 7 3 7 6 4 2 4 5 4 9 5 7 7 2 4 (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. एकही नाही

B. दोन

C. एक

D. तीन

**Q59**

Nikhil sold his cycle to Ravi at a loss of 24%. Ravi spent ₹486 on its repairs and sold the cycle to Vikas for ₹2,875, thereby making a profit of 15%. Find the cost price of the cycle for Nikhil.

A. ₹2,540

B. ₹2,650



C. ₹2,710

D. ₹2,460



Q60

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

(Left) ? + > * 1 + 7 & ^ 1 ^ 7 2 8 ? & > # ? 4 @ (Right)

How many such numbers are there, each of which is immediately preceded by another number and also immediately followed by a symbol?

A. चार

B. तीन

C. दोन

D. एक



Q61

Soham starts from Point A and drives 59 km towards west. He then takes a left turn, drives 67 km, turns left and drives 67 km. He then takes a left turn and drives 78 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 degrees turns only unless specified)

A. दक्षिणेकडे 10 km

B. उत्तरेकडे 12 km

C. दक्षिणेकडे 11 km



D. दक्षिणेकडे 13 km

Q62

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among the five poles—I, N, C, H, and L—each having a different height, which pole is the shortest?

(I) L is shorter than N. H is shorter than I.

(II) H is taller than L.

A. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे, तर विधान ii मधील माहिती पुरेशी नाही.

B. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील मिळून माहिती पुरेशी नाही.



C. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील मिळून माहिती (आणि केवळ विधान i किंवा केवळ विधान ii नाही) पुरेशी आहे.

D. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii मधील माहिती पुरेशी आहे, तर विधान i मधील माहिती पुरेशी नाही.

Q63

Which breed of cattle is primarily used for dairy purposes in India?

A. ऑगोल

B. गिर

C. कांकरेज

D. साहीवाल



Q64

Which of the following equations correctly relates the resistance (R) of a conductor to its length (l), area of cross-section (A), and resistivity (ρ)?

A. $r = \rho a / l$

B. $r = \rho l / a$



C. $r = a / \rho l$

D. $r = l / \rho a$

Q65

Which of the following substance groups represents the non-biodegradable substances?

A. grasses, spoilt food, vegetable peels

B. vegetable peels, flowers, paper

C. spoilt food, vegetable peels, used tea leaves

D. plastic bubble pack, regular milk packets, medicine plastic bottles



Q66

In a certain code language, 'HATS' is coded as '2743' and 'AHUS' is coded as '7483'. What is the code for 'U' in the given code language?

A. 3

B. 8



C. 4

D. 7



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Q67

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

$$75 \text{ A } 3 \text{ D } 14 \text{ C } 9 \text{ B } 4 = ?$$

A. 59

B. 47



C. 31

D. 63

Q68

An ottoman with side 50 cm is a magnified version of a 6-sided white cubical die with black circular spots from 1 to 6 engraved on its faces. If each engraved spot is a circle of diameter 10 cm, what is the total surface area (in cm^2 , rounded off to the nearest integer) of the cubical die that is not engraved?

A. 15330

B. 12354

C. 13351



D. 12422

Q69

Evaluate $6.84\bar{1} - 2.69\bar{1}$.

A. $\frac{3635}{909}$ B. $\frac{4035}{900}$ C. $\frac{3835}{1100}$ D. $\frac{3735}{900}$ 

Q70

A tank has three pipes A, B and C. A and B are inlet pipes while C is an outlet pipe. Pipe A can fill the tank in 15 minutes. Pipe B can fill it in 20 minutes. Pipe C can empty it in 30 minutes. The pipes are opened in the following cycle.

- Minute 1: Only A
- Minute 2: Only B
- Minute 3: Only C

The cycle repeats till the tank is full. How much time would it take to completely fill the tank?

A. 32

B. 36

C. $34\frac{1}{3}$ D. $27\frac{2}{3}$ 

Q71

Simplify: $\frac{\sin A \cdot \tan A}{1 - \cos A} - \frac{\cos A \cdot \cot A}{1 - \sin A}$

A. coseca - seca

B. sina - cosa

C. seca - coseca 

D. cosa - sina

Q72

A man goes from point A to point B at a speed of 13 km/h and returns from B to A at a speed of 10 km/h using the same route. The average speed (in km/h) for the whole journey is:

A. $11\frac{7}{23}$ B. $11\frac{16}{23}$ C. $10\frac{22}{23}$ D. $12\frac{1}{23}$

Q73

$$\frac{9}{7}$$

A. 28 

B. 30

C. 36

D. 35

Q74

$$-\frac{1}{9} - \frac{1}{3} - \frac{1}{10} \frac{1}{3}$$

A. $-\frac{1}{9}$ B. $-\frac{1}{3}$ C. $-\frac{1}{10}$ D. $\frac{1}{3}$ 

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Q75

Tap A can empty a tank in 30 minutes. Tap B can empty it in 15 minutes. If both the taps operate simultaneously, how much time is needed to empty the tank?

A. 20 मिनिटे

B. 10 मिनिटे



C. 40 मिनिटे

D. 30 मिनिटे



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Q1

100 bananas were bought at the rate of ₹1,200 per hundred and were sold at a profit of ₹1,100. Find the selling price (in ₹) per dozen bananas.

A. 286

B. 271

C. 276



D. 281

Q2

If the median and mode of a data of 20 numbers are 250 and 295, respectively, then find the sum of the 20 numbers.

A. 4500

B. 4005

C. 4550



D. 4050

Q3

An article is sold at a profit of 38%. If the cost price is increased by ₹68 and the selling price is reduced by ₹54, then the profit would be 37.5%. What is the original cost price (in ₹) of the article?

A. 29,500



B. 29,700

C. 29,400

D. 29,300

Q4

What is the mode of the following data?

70, 70, 73, 71, 74, 69, 80, 68, 66, 66, 89, 83, 81, 86, 82, 74, 86, 87, 67, 72, 62, 76, 86, 65, 62

A. 74

B. 66

C. 70

D. 86



Q5

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. ok - jf

B. kg - fb

C. pl - kg

D. mi - lp



Q6

Each letter in the word DUSTING 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 third from the right in the new group of letters thus formed?

A. o

B. u

C. h

D. t



Q7

On a certain sum, if at the same rate of interest, in 2 years, the simple interest is ₹64 and the compound interest is ₹72, then what is the sum (in ₹)?

A. 123

B. 132

C. 121

D. 128



Q8

Each of A, C, I, M, O, Q and W has an exam on a different day of a week starting from Monday and ending on Sunday of the same week.
W has an exam on Friday. Exactly 3 people have exams between A and M, neither of whom has an exam on Sunday. Q has an exam immediately after I. O has an exam immediately before M. How many people have exams after Q?

A. 1

B. 4

C. 3



D. 2

Q9

Which of the following events happens when lysosomes in a cell burst?

A. विकर केवल विजातीय कण पचवतात

B. पेशीविभाजनात वाढ होते

C. पेशी अधिक सक्रिय होते

D. विकर पेशीचेच घटक पचवतात



Q10

A and B start a business by investing ₹93,000 and ₹54,000, respectively. B leaves the business after 3 months, and then C joins with an investment of ₹28,000 for the remaining period of the year. If 11% of the total profit is ₹61,336, what is B's share of the profit?

A. ₹59,040



B. ₹58,951

C. ₹59,070

D. ₹59,059

Q11

Refer to the given number, symbol 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 £ 2 @ % 7 8 # 1 3 * 9 \$ & 4 ^ < 5 (Right)
How many such symbols are there each of which is immediately preceded by an odd number but not immediately followed by an even number?

A. तीन

B. दोन



C. एक

D. एकही नाही

Q12

A goods train and a superfast train started running from station A and station B, respectively, at the same time towards each other on parallel tracks. If the distance between station A and station B is 154 km and trains are running at speeds of 61 km/h and 93 km/h, respectively, then at how much distance (in km) from station B will the trains meet?

A. 112

B. 88

C. 86

D. 93



Q13

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

(Left) 1 3 5 7 5 5 7 4 5 8 9 5 4 4 5 5 4 5 7 7 6 5 7 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. तीन

B. चार



C. एक

D. पाच



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Q14

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

Only two people sit between D and G when counted from the right of D. Only two people sit between G and C. Only three people sit between D and B. E sits to the immediate left of A.

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

A. 4

B. 1



C. 3

D. 2

Q15

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. pru

B. jlo

C. nps

D. yac

**Q16**

Manan, Kiran, Aditi, Isha, Trisha and Arya live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 6. Trisha lives immediately above Arya. Only one person lives between Arya and Aditi. Only two people live between Isha and Arya. Arya lives on an odd-numbered floor but not on the lowermost floor. Kiran lives immediately above Trisha. Who lives on floor number 2?

A. मनन



B. ईशा

C. अदिती

D. किरण

Q17

In a certain code language,

'S + T' means 'S is the father of T',

'S - T' means 'S is the brother of T',

'S x T' means 'S is the wife of T' and

'S ÷ T' means 'S is the sister of T'.

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

A. आईचा भाऊ

B. पत्नीच्या वडिलांचा भाऊ



C. पत्नीच्या आईचा भाऊ

D. वडील

Q18

Among five people named V, W, X, Y and Z, each have a certain age. The age of X is 12. V is four times the age of Z. Y is half the age of V. W is thrice the age of X. If Z is one ninth the age of W, what is the age of Y?

A. 10

B. 6

C. 12

D. 8

**Q19**

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

57 65 81 113 177 ?

A. 307

B. 306

C. 304

D. 305

**Q20**

Which of the following hormones is secreted by the pituitary gland?

A. growth hormone



B. insulin

C. thyroxine

D. adrenaline



Q21

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

(Left) T S I C X Z O A K L N T E W A K O D F H A G U K

(Right)

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

A. एक

B. एकही नाही

C. दोन

D. तीन

Q22

A trader marked the price of an item 40% above the cost price. He allowed two successive discounts of 20% and 25% to a customer. If he incurred a loss of ₹224, at what price did he sell the item to that customer?

A. ₹1,276

B. ₹1,167

C. ₹1,166

D. ₹1,176

Q23

A shopkeeper fixes the marked price of an item 40% above its cost price. What percentage of discount should he offer to gain 26%?

A. 12%

B. 10%

C. 9%

D. 0.11%

Q24

Each letter in the word **PERSON** is changed to the second letter following it in the English alphabetical order, and then all the letters thus formed are arranged in the English alphabetical order. Which letter will be fifth from the right in the new group of letters formed?

A. e

B. q

C. p

D. t

Q25

A car travels x km at 40 km/hr, another x km at 60 km/hr and $2x$ km at 80 km/hr. Find the average speed for the whole journey.

A. 65 km/hr

B. 60 km/hr

C. 58 km/hr

D. 55 km/hr

Q26

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question:

Among 5 poles, I, L, O, M and D each having a different height, which pole is the tallest?

Statements:

(I) I is taller than M but shorter than D. I is shorter than only one pole.

(II) M is taller than L.

A. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि विधान ii या दोन्हीमधील मिळून माहिती पुरेशी नाही.

B. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे, तर केवळ विधान ii मधील माहिती पुरेशी नाही.

C. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि विधान ii या दोन्हीमधील मिळून माहिती (आणि केवळ विधान i किंवा केवळ विधान ii पुरेसे नाही) पुरेशी आहे.

D. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii मधील माहिती पुरेशी आहे, तर केवळ विधान i मधील माहिती पुरेशी नाही.



Q27

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?

13 A 43 B 43 C 1 D 43 = ?

A. -27

B. -28

C. -31

D. -29



Q28

Which of the following is a type of 'urban local government' according to the Constitution of India?

A. ग्रामसभा

B. गट पंचायत

C. नगरपालिका



D. जिल्हा पंचायत

Q29

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

(Left) P Q W T A V A B T A X H L T O K W L X T S (Right)

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

A. एकही नाही



B. तीन

C. एक

D. दोन

Q30

A concave mirror is used in torches and car headlights because it:

A. तो नेहमी आभासी प्रतिमा तयार करतो

B. तो प्रकाशाचा उजळपणा कमी करतो

C. तो प्रकाशाचा समांतर झोत तयार करू शकतो



D. तो प्रकाशाला सर्व दिशांना विखुरतो

Q31

Tanisha starts from Point A and drives 68 km towards east. He then takes a left turn, drives 45 km, turns left and drives 78 km. He then takes a left turn and drives 71 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. उत्तरेकडे 26 km



B. उत्तरेकडे 24 km

C. दक्षिणेकडे 27 km

D. उत्तरेकडे 25 km

Q32

What sum (in ₹) will earn an interest of ₹480 in 2 years at 8% simple interest per year?

A. 3200

B. 3150

C. 3000



D. 2800

Q33

Two sets of numbers are given below. In each set of numbers, certain mathematical operation(s) on the first number result(s) in the second number. Similarly, certain mathematical operation(s) on the second number result(s) in the third number and so on. Which of the given options follows the same set of operations as in the given 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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

3 – 9 – 81 – 66 ; 5 – 25 – 625 – 610

A. 4 – 16 – 256 – 241



B. 9 – 81 – 6588 – 6573

C. 7 – 49 – 2150 – 2250

D. 2 – 4 – 16 – 21



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Q34

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

XJI PBA HTS ZLK ?

A. tds

B. rdc

C. rcd

D. red

Q35

H, P, R, A, S and M are sitting around a circular table facing the centre. R is sitting second to the right of P and to the immediate left of H. S is sitting second to the left of M and to the immediate right of A. Who is sitting to the immediate left of P?

A. h

B. a

C. m

D. s

Q36

In a certain code language, 'TRAP' is coded as '7486' and 'CART' is coded as '8274'. What is the code for 'C' in the given code language?

A. 7

B. 4

C. 2

D. 8

Q37

MXEL is related to OZHP in a certain way based on the English alphabetical order. In the same way, VRHB is related to XTKF. To which of the given options is QOJA related, following the same logic?

A. trle

B. tqIf

C. sqme

D. some

Q38

A force acts on a 4 kg body at rest and produces an acceleration of 3 m/s^2 . The final velocity after 5 seconds is:

A. 15 m/s

B. 12 m/s

C. 20 m/s

D. 10 m/s

Q39

In an election, there were four candidates, and they received 4500, 1260, 240 and 2000 votes, respectively. If all eligible voters voted, all votes polled were valid and were in favour of one of the four candidates, then the difference between the vote percentages of the winning candidate and the runner up candidate was:

A. 27.5%

B. 31.25%

C. 30.75%

D. 25%

Q40

This question is based on the following words:

FAT HOG NIP LUX

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. एकही नाही

B. दोन

C. तीन

D. एक



Q41

The ratio of prices of three gift articles is 2 : 5 : 8. If the difference of the prices of the second and third articles is ₹5,055, then find the sum of the prices of three articles.

A. ₹25,275



B. ₹26,200

C. ₹29,090

D. ₹31,500

Q42

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

FPD : ENB

RUN : QSL

A. zyb : ytz

B. whx : veu

C. alm : bnp

D. kfq : jdo



Q43

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

$$31 - 1 \times 2 \div 28 + 26 = ?$$

A. 21

B. 19



C. 20

D. 17

Q44

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer. Among the five poles—R, A, M, E, and N—each having a different height, which pole is the shortest?

(I) N is taller than only two poles. E is taller than N but shorter than M.

(II) R is taller than A.

A. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील मिळून माहिती पुरेशी नाही.

B. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे, तर विधान ii मधील माहिती पुरेशी नाही.

C. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii मधील माहिती पुरेशी आहे, तर विधान i मधील माहिती पुरेशी नाही.

D. मिळून माहिती (आणि केवळ विधान i किंवा केवळ विधान ii नाही) पुरेशी आहे.



Q45

S, T, U, V, W, X and Y live on seven different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 7. U lives on the fourth floor. Only two persons live between U and V. T lives immediately below V. W lives immediately above X but X does not live on the lowermost floor. S does not live on the lowermost floor. On which floor number does S live?

A. मजला क्रमांक 2

B. मजला क्रमांक 5



C. मजला क्रमांक 3

D. मजला क्रमांक 1



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Q46

Puja starts from Point A and drives 31 km towards the south. He then takes a left turn, drives 40 km, turns left and drives 36 km. He then takes a left turn and drives 41 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. उत्तरेकडे 3 km
- B. पूर्वेकडे 2 km
- C. पूर्वेकडे 1 km ✓
- D. दक्षिणेकडे 4 km

Q47

Two sets of numbers are given below. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE – A two/three digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits)

14 - 84 - 86 - 82
15 - 90 - 92 - 88

- A. 37 - 298 - 299 - 287
- B. 8 - 48 - 50 - 46 ✓
- C. 22 - 90 - 100 - 99
- D. 34 - 70 - 79 - 78

Q48

In a certain code language,
'A - B' means 'A is the daughter of B',
'A / B' means 'A is the son of B',
'A * B' means 'A is the wife of B' and
'A + B' means 'A is the husband of B'.
Based on the above, how is T related to Z if 'T / L + H - Z'?

- A. मुलीचा मुलगा ✓
- B. वडील
- C. आई
- D. मुलीची मुलगी

Q49

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

FVM ITK LRI OPG ?

- A. sne
- B. snt
- C. rnf
- D. rne ✓

Q50

When white light passes through a prism, different colours of light bend through different angles. Which colour bends the least and which bends the most?

- A. लाल रंग सर्वात कमी वळतो, जांभळा रंग सर्वाधिक वळतो ✓
- B. लाल आणि जांभळा हे दोन्ही रंग समान वळतात
- C. निळा रंग सर्वात कमी वळतो, पिवळा रंग सर्वाधिक वळतो
- D. लाल रंग सर्वाधिक वळतो, जांभळा रंग सर्वात कमी वळतो

Q51

LPG (Liquefied Petroleum Gas) is stored in cylinders in liquid form because:

- A. it reacts with air to form liquid
- B. it is solidified before use
- C. it is heated and expanded under low pressure
- D. it is cooled and compressed under high pressure ✓



Q52

A number is decreased by 18% and then increased by 22%. Find the net increase or decrease percentage (correct to two places of decimals).

- A. 1.2%नी वाढ
- B. 1.2%नी घट
- C. 0.04%नी घट
- D. 0.04%नी वाढ



Q53

What should come in place of the question mark (?) in the given series?
207 194 181 168 155 ?

- A. 140
- B. 147
- C. 142
- D. 145



Q54

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. ogd
- B. rif
- C. jby
- D. asp



Q55

The sum of the present ages of Bunty and Bubbly is 64 years. After 2 years from now, Bunty's age will be three times that of Bubbly's age. Bunty's present age (in years) is:

- A. 43
- B. 49
- C. 56
- D. 39



Q56

Which chamber of the heart sends deoxygenated blood to the lungs for oxygenation?

- A. डावे निलय
- B. उजवे निलय
- C. उजवे अलिंद
- D. डावे अलिंद



Q57

Each of G, J, M, O, R, S and T has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only two people have exams before R. Only one person has an exam after M. Only three people have exams between R and T. Only one person has an exam between S and G. J has an exam immediately before S. Who among the following has an exam on Friday?

- A. j
- B. g
- C. m
- D. o



Q58

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 2741586, how many digits will appear more than once in the new number thus formed?

- A. तीन
- B. एकही नाही
- C. दोन
- D. एक



Q59

EG 13 is related to FI 65 in a certain way. In the same way, JL 41 is related to KN 205. To which of the given options is RT 25 related, following the same logic?

- A. sv 125
- B. pv 135
- C. su 135
- D. pu 145



Q60

In a certain code language, 'TASH' is coded as '6348' and 'BAHT' is coded as '8653'. What is the code for 'B' in the given code language?

A. 6

B. 3

C. 5



D. 8

Q61

Exercise Varuna 2025 was conducted between India and which country?

A. जपान

B. usa

C. फ्रान्स



D. रशिया

Q62

20 people can do a piece of work in 15 days. After 5 days, 5 people left. How many more days will it take to complete the work? (Rounded off to two decimal places)

A. 14.15 दिवस

B. 13.33 दिवस



C. 12.25 दिवस

D. 10.5 दिवस

Q63

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 its 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.)

(10, 5, 60)

(9, 6, 64)

A. (8, 9, 62)

B. (17, 5, 85)

C. (12, 4, 58)



D. (11, 6, 86)

Q64

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 footballers.

All cricketers are footballers.

Conclusions:

(I) Some engineers are cricketers.

(II) All footballers are cricketers.

A. केवल निष्कर्ष (ii) तर्कसंगत आहे.

B. निष्कर्ष (i) आणि (ii) हे दोन्ही तर्कसंगत आहेत.

C. केवल निष्कर्ष (i) तर्कसंगत आहे.

D. निष्कर्ष (i) किंवा (ii) पैकी एकही तर्कसंगत नाही.



Q65

Consider the following chemical reactions:

I: $\text{BaCl}_2 (\text{aq}) + \text{Na}_2\text{SO}_4 (\text{aq}) \rightarrow \text{BaSO}_4 (\text{s}) + 2\text{NaCl} (\text{aq})$

II: $\text{Pb}(\text{NO}_3)_2 (\text{aq}) + \text{KI} (\text{aq}) \rightarrow \text{PbI}_2 (\text{s}) + 2\text{KNO}_3 (\text{aq})$

Which of the following correctly classifies these reactions?

A. i: displacement reaction; ii: double displacement reaction

B. i: double displacement reaction; ii: neutralisation reaction

C. i: double displacement reaction; ii: displacement reaction

D. both are double displacement reactions



Q66

Which of the following ratios is the smallest?

A. 5 : 8

B. 4 : 7



C. 7 : 10

D. 6 : 9



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Q67

The value of $9^2 + \sqrt{8^2} - 10\sqrt{49} - 20 =$

A. -8

B. -1

C. -6

D. 3

Q68

$\sec A \operatorname{cosec} A \ 2\operatorname{cosec} A \ 2\sec A$

A. $\sec A$ B. $\operatorname{cosec} A$ C. $2\operatorname{cosec} A$ D. $2\sec A$

Q69

$$\frac{6}{5}$$

A. 50

B. 37

C. 40

D. 42

Q70

$$\pi = \frac{22}{7}$$
A. 2 एकक आणि 113.143 एकक²B. 3 एकक आणि 113.143 एकक²C. 3 एकक आणि 112.143 एकक²D. 3 एकक आणि 131.143 एकक²

Q71

Find the area of a regular hexagon whose side measures $18\sqrt{2}$ cm. (Use $\sqrt{3} = 1.73$)

A. 1661.56 cm²B. 1671.56 cm²C. 1681.56 cm²D. 1691.56 cm²

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Q72

A can complete a job in 10 days and B in 15 days. They started working together, but after 4 days, B fell sick and left. A continued and finished the remaining work. Later, it was found that A had also been working at only 80% efficiency throughout. How many total days did it take to complete the entire work?

A. $9\frac{5}{6}$

B. $9\frac{1}{6}$



C. $5\frac{1}{6}$

D. $8\frac{1}{5}$

Q73

The volume of a solid cylinder is $5,236 \text{ cm}^3$ and its height is 34 cm. What is the total surface area of the solid cylinder?

(Use $\pi = \frac{22}{7}$)

A. 1823 cm²

B. 1841 cm²

C. 1804 cm²



D. 1831 cm²

Q74

Find the simplified value of the following expression:

$$\left(\frac{8.4}{0.7} + \frac{2.4}{4}\right) \div \left(\frac{9.6}{8} - \frac{3}{5}\right)$$

A. 21



B. 30

C. 2.1

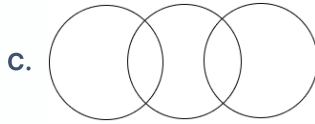
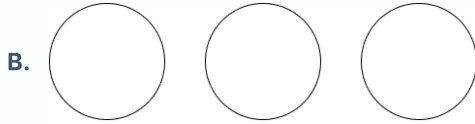
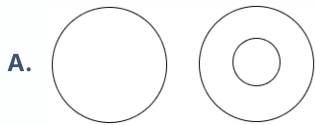
D. 2.4



Q75

Select the Venn diagram that best illustrates the relationship between the following classes.

Headgears, Helmets, Caps



Q1

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

(Left) A & # W Z € % © H M O # \$ U £ F * H D € © H
(Right)

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

A. 4

B. 1

C. 3

D. 2



Q2

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. mj - li

B. pm - ol

C. vs - ur

D. tq - ko



Q3

A man buys a watch for ₹1,500. He sells it to his friend at a profit of 12% on his cost price. The friend then sells it to another person at a profit of 8% on his own cost price. What is the difference between the original cost price and the final selling price?

A. ₹316.40

B. ₹312.40

C. ₹314.40



D. ₹318.40

Q4

Which of the following correctly describes lymph?

A. लाल रक्तपेशींनी समृद्ध रंगीत द्रव

B. रक्तद्रवासारखेच परंतु रंगहीन आणि प्रथिनांची उणीव



C. केवळ धमन्यांच्या आत वाहणारा द्रव

D. रक्तद्रवापेक्षा अधिक प्रथिने असलेला द्रव

Q5

Each of N, K, J, R, P, S and M has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. M has an exam on Wednesday. N has exam on the day immediately after S. Only 2 people have exams between P and R. K has exam on the day immediately before M. R's exam is neither on Sunday nor on Monday. J has exam on the day immediately before S. Who among the following has exam on Monday?

A. p



B. k

C. j

D. m

Q6

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

WDX14, CKD27, IRJ40, OYP53, ?

A. ufv66



B. upv66

C. ffv66

D. ufo66



Q7

Among five people named V, W, X, Y and Z, each have a certain age. X is twice the age of V. V is three times the age of Y. Y is one-fifth the age of W. The age of W is 15. If Z's age is equal the age of X, what is the age of Z?

A. 22

B. 20

C. 18



D. 16

Q8

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

58 59 61 65 73 ?

A. 88

B. 86

C. 89



D. 87

Q9

S, T, U, V, W, X and Y live on seven different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 7. V lives on second floor. Only two persons live between V and U. X lives immediately below U. S lives immediately above T. Y does not live on the lowermost floor. On which floor number does Y live?

A. मजला क्रमांक 3



B. मजला क्रमांक 4

C. मजला क्रमांक 7

D. मजला क्रमांक 6

Q10

When the one-third of a number is increased by 83, the result is 97. Find the sum of the digits of the original number.

A. 7

B. 4

C. 8

D. 6



Q11

Which of the following officially determines the constitutional validity of any legislation?

A. एका विशेष ठरावाद्वारे भारतीय संसद

B. न्यायिक पुनर्विलोकनद्वारे भारताचे सर्वोच्च न्यायालय



C. कार्यकारी अर्थनिर्णयनद्वारे केंद्रीय मंत्रिमंडळ

D. संविधानात्मक विवेकाधिकारासह भारताचे राष्ट्रपती

Q12

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

108 103 97 90 82 73 ?

A. 65

B. 63



C. 67

D. 61

Q13

Each vowel in the word WICKED 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. 0

B. 1



C. 3

D. 2

Q14

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

$6 \times 45 \div 15 + 8 - 13 = ?$

A. 8

B. 6

C. 7



D. 5



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Q15

Seven people, J, K, L, M, N, O and P, are sitting around a circular table facing the centre. J sits third to the right of M and second to the left of N. K is an immediate neighbour of both M and N. O is second to the left of P. How many people sit between M and P when counted from the left of M?

A. एक

B. एकही नाही

C. तीन

D. दोन

Q16

Why does the palm feel cool when acetone is poured on it?

A. कण प्रसारण पावतात आणि त्वचेच्या थरांत हवा धरून ठेवतात.

B. कण स्थिर राहतात आणि सभोवतालची उष्णता परावर्तित करतात.

C. कण तळहातातून ऊर्जा शोषून घेतात आणि त्यांचे बाष्पीभवन होते.

D. कण तळहाताला ऊर्जा देतात आणि त्यांचे संघनन होते.

Q17

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Four students – Ankita, Bhavna, Chitra, and Deepa – scored different marks.

Who scored the highest marks?

(I) Bhavna scored more than Ankita but less than Chitra.

(II) Deepa scored more than Bhavna but less than Chitra.

A. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे, पण विधान ii मधील माहिती पुरेशी नाही

B. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii माहिती पुरेशी आहे, पण विधान i मधील माहिती पुरेशी नाही

C. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील एकत्रित माहिती पुरेशी आहे (आणि केवळ विधान i किंवा केवळ विधान ii मधील नाही)

D. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील माहिती एकत्रितपणे पुरेशी नाही

Q18

In a certain code language, 'HASP' is coded as '8294' and 'ASHY' is coded as '2879'. What is the code for 'Y' in the given code language?

A. 7

B. 9

C. 8

D. 2

Q19

This question is based on the following words:

PAN BIT SOG RUB

In each of the words, each vowel 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. In how many letter-clusters thus formed, will no vowel appear?

A. दोन

B. एक

C. एकही नाही

D. तीन

Q20

Tarun and Varun start a business by investing ₹12,000 and ₹72,000, respectively. Tarun invests his money for 4 months and Varun for 10 months. At the end of the year, 20% of the total profit is ₹16,800. What is Varun's share of the profit (in ₹)?

A. 78,250

B. 76,350

C. 76,550

D. 78,750



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Q21

A, G, H, P, S and Y live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on, till the topmost floor, which is numbered 6.

Only two people live between Y and H. Only two people live between G and S. No one lives above G. H lives below S but above P.

How many people live below A?

A. एक

B. दोन

C. तीन



D. चार

Q22

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. svx

B. qtv

C. mpr

D. fil

**Q23**

Which of the following hybridisation crossing is NOT used for the improvement in crop varieties?

A. आंतरप्रकारी

B. आंतरजातीय

C. अंतर्जातीय



D. आंतरवंशीय

Q24

What sum (in ₹) will earn an interest of ₹480 in 2 years at 16% simple interest per year?

A. 1650

B. 1500



C. 1700

D. 1300

Q25

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

(Left) * M @ U Q £ Q £ @ @ V € H B \$ W @ I Q # U X

(Right)

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

A. 3



B. 2

C. 4

D. 5

Q26

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 sister of B' and

'A / B' means 'A is the brother of B'.

Based on the above, how is L related to N if 'P + L / R - N'?

A. भाऊ

B. आईचा भाऊ



C. आईचे वडील

D. पती

Q27

Which of the following is correct regarding the quantity of stain retained by the cytoplasm in a temporary mount of onion peel?

A. फारच कमी रंग असतो



B. रंग नसतो

C. खूप अधिक रंग असतो

D. मध्यम रंगाचे असते



Q28

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?

$$79 \text{ D } 12 \text{ B } 4 \text{ C } 100 \text{ A } 5 = ?$$

A. 53

B. 51



C. 50

D. 55

Q29

Simplify: $125 \div 25 \times 6 + 12 - 9$

A. 33



B. 23

C. 36

D. 28

Q30

A car falls off a ledge and drops to the ground in 0.8 s. Take $g = 10 \text{ m/s}^2$ (for simplifying the calculations). How high is the ledge from the ground?

A. 3.2 m



B. 2.0 m

C. 4.0 m

D. 6.4 m

Q31

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

PTC KOX FJS AEN ?

A. vzi



B. vzs

C. vsz

D. viz

Q32

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

(Left) K S U L H A A E G H L A J Z X G U P E U P 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. 2

B. 4

C. 1



D. 3

Q33

No matter where an object is placed in front of it, a concave lens always forms an image that is:

A. आभासी, सुलट आणि लहान होत जाणारी



B. वास्तव, सुलट आणि समान आकाराची

C. वास्तव, उलट आणि मोठी

D. आभासी, उलट आणि मोठी झालेली

Q34

5% of a number is what percentage of 5% of the same number?

A. 110%

B. 50%

C. 25%

D. 100%

**Q35**

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. gk - fj

B. lp - ko

C. ru - qv



D. uy - tx



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Q36

A is the brother of B. B is the son of C. M is married to B. Q is the only daughter of M. C is the sister of D. How is A related to C?

A. मुलगा



B. भाऊ

C. बडील

D. मुलगी

Q37

Daniel starts from Point A and drives 23 km towards South. He then takes a left turn, drives 14 km, turns left and drives 27 km. He then takes a left turn and drives 23 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. पश्चिमेकडे 9 km

B. पूर्वेकडे 10 km

C. पूर्वेकडे 9 km



D. पश्चिमेकडे 10 km

Q38

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.)

(4, 8, 36)

(3, 3, 18)

A. (5, 2, 21)



B. (11, 5, 49)

C. (6, 3, 28)

D. (15, 1, 32)

Q39

Find the curved surface area (in cm^2) of a hemisphere of radius 125 cm.

A. 31241π

B. 31250π



C. 31244π

D. 31255π

Q40

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 doctors are eagles.

No snakes are doctors.

Conclusions:

(I) Some eagles are not snakes.

(II) All eagles are doctors.

A. केवल निष्कर्ष (ii) तर्कसंगत आहे.

B. निष्कर्ष (i) आणि (ii) हे दोन्हीही तर्कसंगत आहेत.

C. निष्कर्ष (i) किंवा (ii) यापैकी कोणताही तर्कसंगत नाही.

D. केवल निष्कर्ष (i) तर्कसंगत आहे.



Q41

A shopkeeper marks an article 30% above its cost price. He then allows a discount of 20% on the marked price and still makes a profit of ₹32. Find the cost price of the article.

A. 680

B. 720

C. 700

D. 800



Q42

Which Act does the Digital Personal Data Protection Rules, 2025, facilitate the implementation of?

- A. माहिती तंत्रज्ञान आणि सायबर सुरक्षा अधिनियम, 2023
- B. डिजिटल गोपनीयता अधिनियम, 2023
- C. डेटा संरक्षण अधिनियम, 2023
- D. डिजिटल वैयक्तिक डेटा संरक्षण अधिनियम, 2023

Q43

Lenses in spectacles help correct vision defects due to:

- A. आरशाने होणारे परावर्तन
- B. प्रकाशाचे अपस्करण
- C. भिंगातून झालेले प्रकाशाचे अपवर्तन
- D. प्रकाशाचे विकिरण

Q44

In a certain code language, 'BREW' is coded as '8135' and 'WEAR' is coded as '3915'. What is the code for 'A' in the given code language?

- A. 3
- B. 5
- C. 1
- D. 9

Q45

The speed of a boat in still water is 8 km/hr. It can go 12 km upstream and 18 km downstream in 4 hours. Find the speed of the stream. (Rounded off up to two decimal places)

- A. 3.12 km/hr
- B. 3.56 km/hr
- C. 1.85 km/hr
- D. 2.89 km/hr

Q46

Shivam distributed ₹23400 between his two grandsons 14-year-old Rupesh and 15-year-old Mandar such that they get equal money when they turn 23 years old. Till then the money is in a bank getting compound interest at 8% per annum, compounded annually. How much (in ₹) Shivam deposited in the name of Mandar?

- A. 11250
- B. 12500
- C. 12150
- D. 11000

Q47

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE – A two/three digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be 3+7 as a two digit number cannot be broken into individual digits)

2 - 10 - 20 - 25 ; 1 - 5 - 10 - 15

- A. 4 - 20 - 40 - 45
- B. 5 - 25 - 50 - 60
- C. 9 - 45 - 90 - 105
- D. 3 - 15 - 20 - 40

Q48

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.

NLOR : RHKN
IQCS : MMYO

- A. wdhy : azeu
- B. jpzk : nlvg
- C. xepm : cali
- D. kpnt : oljq



Q49

Pipe A can fill a tank three times as fast as another pipe B. If the two pipes working together can fill the tank in 36 minutes, then in what time will the slower pipe alone fill the tank?

A. 108 मिनिटे

B. 150 मिनिटे

C. 144 मिनिटे



D. 82 मिनिटे

Q50

Three persons Amar, Akbar and Sunil start a business with the investments ₹15,600, ₹ 10,400 and ₹ 11,700, respectively. They got 20% of the total investment as profit and they planned to reinvest 5% of the profit. If the remaining profit is distributed in the ratio of their investments, then find the share of Sunil in the profit.

A. ₹3,247

B. ₹4,225

C. ₹2,223



D. ₹2,845

Q51

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

KFM : GCR

RMS : NJX

A. hop : dju

B. pst : kny

C. org : knl

D. msu : ipz



Q52

An article is sold at a profit of 40%. If the cost price is increased by ₹28 and the selling price is reduced by ₹84, then the profit would be 37.5%. What is the original cost price (in ₹) of the article?

A. 4,900



B. 4,800

C. 5,000

D. 4,700

Q53

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer.

Question:

Among 5 poles, I, L, O, M and D each having a different height, which pole is the tallest?

Statements:

(I) I is shorter than L but taller than O.

(II) O is taller than M but shorter than D.

प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील माहिती
A. मिळून (आणि केवळ विधान i किंवा केवळ विधान ii पुरेसे नाही)
पुरेशी आहे.

B. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि विधान ii या
दोन्हीमधील मिळून माहिती पुरेशी नाही.



C. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii मधील माहिती पुरेशी आहे,
तर केवळ विधान i मधील माहिती पुरेशी नाही.

D. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे,
तर केवळ विधान ii मधील माहिती पुरेशी नाही.

Q54

Each of Abhi, Bhanu, Chetu, Devansh, Ekansh, Falak and Gyanu play a game on a different day of a week starting from Monday and ending on Sunday of the same week. Chetu plays the game on Friday. Ekansh plays immediately after Bhanu and Bhanu plays immediately after Devansh. Devansh does not play on Monday. Gyanu plays immediate before Falak. On which day does Abhi play the game?

A. गुरुवार

B. सोमवार



C. बुधवार

D. रविवार



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Q55

This question is based on the five, three-digit numbers given below.

(Left) 452 852 674 528 429 (Right)

(Example- 697 – First digit = 6, second digit = 9 and third digit = 7)

What will be the resultant if the second digit of the highest number is added to the second digit of the lowest number?

A. 5

B. 6

C. 7



D. 8

Q56

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?

$$13 \text{ P } 7 \text{ R } (45 \text{ Q } 5) \text{ P } 2 = ?$$

A. 34

B. 82

C. 49

D. 73

**Q57**

A shopkeeper fixes the marked price of an item 56% above its cost price. What percentage of discount should he offer to gain 17%?

A. 25%



B. 26%

C. 22%

D. 24%

Q58

What is the mode of the following data?

78, 60, 85, 76, 84, 86, 73, 89, 78, 77, 60, 63, 62, 72, 61, 78, 67, 77, 61, 78, 75, 61, 88, 66, 69

A. 60

B. 77

C. 61

D. 78

**Q59**

In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Which numbers should replace X and Y, so that the pattern followed by the two numbers on the left side of :: is the same as that on the right side of ::?

(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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

$$X : 24 :: 13 : Y$$

A. $x = 12, y = 26$ B. $x = 8, y = 36$ C. $x = 7, y = 130$ D. $x = 8, y = 130$ **Q60**

Which of the following correctly describes the effect of consuming ethanol?

A. विरळ इथेनॉलच्या दीर्घकालीन सेवनामुळे मानवांच्या आरोग्यावर कोणताही परिणाम होत नाही

B. अल्प प्रमाणातले केवळ अल्कोहोल सुरक्षित असते, परंतु विरळ इथेनॉल नेहमीच घातक असते

C. कोणत्याही प्रमाणातल्या केवळ अल्कोहोलमुळे गंभीर परिणामा न होता किरकोळ नशा चढते

D. अल्प प्रमाणातल्या विरळ इथेनॉलमुळे झिंग येते, तर केवळ अल्कोहोल प्राणघातक ठरू शकते



Q61

The population of a town increased by 25% in the first year, then decreased by 20% in the second year and again increased by 10% in the third year. If the initial population was 50,000; find the population after 3 years.

A. 57,000

B. 58,500

C. 56,500

D. 55,000



Q62

A rider travels 60 km at a speed of 30 km/h, then travels another 40 km at a speed of 20 km/h, and finally covers 50 km at 25 km/h. What is the average speed (in km/h) of the rider for the entire journey?

A. 26

B. 21

C. 22

D. 25



Q63

Seven people, A, B, C, D, E, F and G, are sitting in a row, facing north. Only F sits to the left of E. Only four people sit between F and G. Only B sits between D and A, and D is not an immediate neighbour of G. How many people live between C and D?

A. 3



B. 4

C. 1

D. 2

Q64

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

(Left) N E F M L C L T X X R X D G J A M Q F T Q (Right)

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

A. दोन

B. एकही नाही

C. एक



D. तीन

Q65

Find the mean proportional between 49 and 64.

A. 51

B. 56



C. 54

D. 52

Q66

Swara starts from point P and walks for 8 m towards the north. Then she takes a right turn and walks for 5 m. Then, again, she takes a right turn and walks for 4 m. One more time she takes a right turn and walks for 10 m. Then she takes a left turn and walks for 4 m before stopping at point Q. Towards which direction should she walk in order to reach Point P again? (All turns are 90-degree turns only unless specified.)

A. पूर्व



B. दक्षिण

C. उत्तर

D. पश्चिम



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Q67

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.

NOSE - ENOS - SENO
HAND - DHAN - NDHA

A. trek - krte - ektr

B. trek - ktre - etkr

C. trek - krte - etkr

D. trek - ktre - ektr



Q68

24222620

A. 24



B. 22

C. 26

D. 20

Q69

Triangle ABC is right angled at B. BD is an altitude on AC. If AD = 5 cm and DC = 9 cm, what is the length (in cm) of BD?

A. $3\sqrt{5}$



B. $4\sqrt{5}$

C. $2\sqrt{5}$

D. $\sqrt{5}$

Q70

From a point within an equilateral triangle, perpendicular lines are drawn to its sides. The lengths of these perpendiculars are 5 m, 6 m, and 7 m. Find the area of the triangle.

A. 98 sq.m

B. $105\sqrt{3}$ sq.m

C. $108\sqrt{3}$ sq.m



D. 75 sq.m



Q71

$$\frac{8}{3}$$

A. 24



B. 34

C. 33

D. 28

Q72

The simplified value of $\left(\frac{\sqrt[3]{4913}}{\sqrt[4]{1296}}\right) \times \frac{3}{51} \times 168$ is

A. 38

B. 28



C. 26

D. 30

Q73

A can complete a task in 15 days, and B can complete the same task in 20 days. If both work together, how long will it take them to finish the task?

A. $7\frac{4}{7}$ B. $4\frac{3}{7}$ C. $8\frac{4}{7}$ D. $5\frac{3}{7}$

Q74

The median of $\frac{3}{7}, \frac{3}{5}, \frac{11}{13}, \frac{14}{16}$ and $\frac{17}{19}$ is _____.

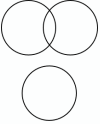
A. $\frac{14}{16}$ B. $\frac{3}{5}$ C. $\frac{17}{19}$ D. $\frac{11}{13}$ 

Q75

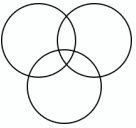
Select the Venn diagram that best illustrates the relationship between the following classes.

Carrot, Apples, Lime

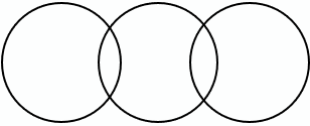
A.



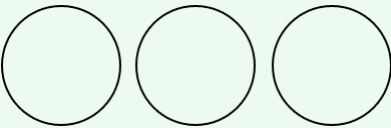
B.



C.



D.



Q1

12 is related to 149 following a certain logic. Following the same logic, 16 is related to 261. To which of the given options is 19 related, following the same logic? (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 to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

A. 162

B. 366



C. 259

D. 474

Q2

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

57 68 79 90 101 ?

A. 114

B. 112



C. 108

D. 110

Q3

A body of mass 4 kg has a kinetic energy of 72 J. Its speed is:

A. 9 m/s

B. 3 m/s

C. 6 m/s



D. 4 m/s

Q4

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

(Left) 1 8 4 6 1 8 6 4 4 3 3 2 1 1 8 8 6 7 4 6 8 8 4 5 9 9 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 odd number?

A. 2

B. 0

C. 1



D. 3

Q5

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

57 82 118 167 231 ?

A. 311

B. 314

C. 313

D. 312



Q6

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Four students – Kabir, Mansi, Nupur, and Rakesh – scored different marks.

Who scored the second highest marks?

(I) Kabir scored more than Mansi but less than Nupur.

(II) Rakesh scored less than Nupur but more than Kabir.

A. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे, पण विधान ii मधील माहिती पुरेशी नाही

B. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील माहिती एकत्रितपणे पुरेशी नाही

C. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii माहिती पुरेशी आहे, पण विधान i मधील माहिती पुरेशी नाही

D. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील एकत्रित माहिती पुरेशी आहे (आणि केवळ विधान i किंवा केवळ विधान ii मधील नाही)

Q7

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 conclusion(s) logically follow(s) from the statements.

Statements:

Some mats are carpets.
All carpets are rugs.

Conclusions:

(I) Some mats are rugs.

(II) All rugs are carpets.

A. निष्कर्ष (i) आणि (ii) हे दोन्हीही तर्कसंगत आहेत.

B. केवळ निष्कर्ष (i) तर्कसंगत आहे.

C. निष्कर्ष (i) किंवा (ii) यापैकी कोणताही तर्कसंगत नाही.

D. केवळ निष्कर्ष (ii) तर्कसंगत आहे.

Q8

The cost price of 28 mangoes is the same as the selling price of 25 mangoes. Find the profit percentage.

A. 12%

B. 11.6%

C. 10%

D. 10.9%

Q9

D, E, F, G, K, L and M are sitting around a circular table, facing the centre of the table.

Only four people sit between F and G when counted from the right of F. F sits third to the left of M. E sits third to the left of D. K is an immediate neighbour of both G and M.

How many people sit between L and K when counted from the right of L?

A. तीन

B. एक

C. दोन

D. चार

Q10

CH 43 is related to GL 23 in a certain way. In the same way, FK 85 is related to JO 65. To which of the given options is NS 76 related, following the same logic?

A. tu 65

B. rw 56

C. rv 65

D. tw 56

Q11

Under the Right to Equality, of the Indian Constitution, which type of equality is ensured in public employment?

A. संधीची समानता

B. राजकीय समानता

C. धार्मिक समानता

D. आर्थिक समानता



Q12

10 men and 15 boys together can complete a work in 6 days. It takes 100 days for one man alone to complete the same work. How many days will a boy alone take to complete the same work?

A. 225



B. 240

C. 250

D. 230

Q13

Each vowel in the word WONDERS 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 vowels will be there in the new group of letters thus formed?

A. 0



B. 3

C. 1

D. 2

Q14

Find the smallest digit x such that the 6-digit number $28x219$ is divisible by both 9 and 11.

A. 4

B. 3

C. 5



D. 6

Q15

Transportation of water in plants takes place through _____.

A. मूलोती (पेरेन्कायमा)

B. दृढोती (स्क्लेरेकायमा)

C. जलवाहिनी (झायलेम)



D. रसवाहिनी (फ्लोएम)

Q16

Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets?

(NOTE – A two/three digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be $3+7$ as a two digit number cannot be broken into individual digits)

13 - 26 - 30 - 60 ; 9 - 18 - 22 - 44

A. 10 - 20 - 24 - 54

B. 3 - 6 - 10 - 22

C. 6 - 12 - 16 - 32



D. 2 - 4 - 8 - 12

Q17

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

$28 \times 2 - 4 \div 24 + 41 = ?$

A. 69



B. 71

C. 68

D. 70

Q18

Three persons P, Q and R started a business with their shares in the ratio 6 : 3 : 15. After 5 months Q withdrew his 80% share and R withdrew his 52% share 4 months prior to completion of the year. If total profit in the year is ₹29900 then find the share of R (in ₹) in the profit.

A. 18538



B. 18558

C. 18580

D. 18498



Q19

A shopkeeper marks an article at ₹ x and offers a discount of 65% on it. He sells it for ₹378 after charging VAT of 44% on the discounted price. What is the value of x ?

- A. 900
- B. 1,000
- C. 750
- D. 700

Q20

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 7815642, which of the following digits will be third from the left?

- A. 1
- B. 9
- C. 3
- D. 7

Q21

A, B, C, D, E, F and G live on seven different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it is numbered 2 and so on till the topmost floor is numbered 7. B lives on the third floor. Only two persons live between B and D. Only one person live between D and A. Only one person lives between F and C but C does not live on the topmost floor. G lives immediately below E. On which floor number does E live?

- A. मजला क्रमांक 5
- B. मजला क्रमांक 2
- C. मजला क्रमांक 7
- D. मजला क्रमांक 6

Q22

A luxury watch is marked at ₹75,000. During a festival, an 18% discount is offered followed by another ₹5,000 off. What is the final price of the watch?

- A. ₹55,600
- B. ₹57,500
- C. ₹55,700
- D. ₹56,500

Q23

Two trains are moving in the same direction at speeds of 40 km/h and 20 km/h, respectively. The faster train completely overtakes a man seated in the slower train in 10 seconds. Find the length (in m) of the faster train. (Round off your answer to the nearest integer value in meters.)

- A. 57
- B. 56
- C. 55
- D. 54

Q24

A solid sphere of diameter 24 cm is melted and recast into small solid cones each of base radius 4 cm and height 9 cm. How many cones will be obtained?

- A. 48
- B. 45
- C. 32
- D. 56

Q25

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Q. Four runners – Ravi, Sahil, Tarun, and Uday – run at different speeds.

Who is the fastest?

(I) Tarun runs faster than Ravi but slower than Sahil.

(II) Uday runs slower than Sahil but faster than Tarun.

A. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान ii माहिती पुरेशी आहे, पण विधान i मधील माहिती पुरेशी नाही

B. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील एकत्रित माहिती पुरेशी आहे (आणि केवळ विधान i किंवा केवळ विधान ii मधील नाही)

C. प्रश्नाचे उत्तर देण्यासाठी विधान i आणि ii या दोन्हीमधील माहिती एकत्रितपणे पुरेशी नाही

D. प्रश्नाचे उत्तर देण्यासाठी केवळ विधान i मधील माहिती पुरेशी आहे, पण विधान ii मधील माहिती पुरेशी नाही



Q26

Let AB be an arc on a circle C that is 14 cm long. If the circumference of the circle is 180 cm, then find the angle made by arc AB at the centre.

A. 32° B. 30° C. 24° D. 28° ✓**Q27**

If 33% of $497 = 71\%$ of x , then the value of x is:

A. 231 ✓

B. 132

C. 123

D. 213

Q28

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 its 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

10 - 101

A. 4 - 18

B. 5 - 26 ✓

C. 8 - 63

D. 9 - 80

Q29

The given data shows the marks obtained by 50 students of a class in a test. What is the mean marks obtained by students?

Marks	Number of Students
20 - 30	5
30 - 40	12
40 - 50	10
50 - 60	15
60 - 70	8

A. 45.2

B. 61.1

C. 46.8 ✓

D. 52.3

Q30

A sum of money triples itself at a certain rate of compound interest in 3 years. In how many years will it amount to 9 times of itself?

A. 10 वर्षे

B. 12 वर्षे

C. 3 वर्षे

D. 6 वर्षे ✓

Q31

During a sale, 44% of the goods are sold at a 28% profit, 25% of the remaining goods are sold at a 48% profit and the rest are sold at an 18% loss. If there is an overall profit of $x\%$, then what is the value of x ?

A. 11.48% ✓

B. 17.55%

C. 9%

D. 17%



Q32

Seven boxes, U, V, O, P, Q, R and S, are kept one over the other but not necessarily in the same order. Q is kept second from the top. Only two boxes are kept between Q and R. S is kept immediately below Q. Only one box is kept between P and S. V is kept immediately above U. Which box is third from the top?

A. r

B. s 

C. p

D. v

Q33

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. ruz

B. kns

C. mou 

D. cfk

Q34

Waste products formed in body by energy generation processes are desirable to remove by which of the following life processes?

A. अभिसरण

B. उत्सर्जन 

C. पचन

D. पोषण

Q35

A, B, C, D, E, F and G are sitting around a circular table, facing the centre.

Only two people sit between B and G when counted from the left of G. D sits third to the left of A. E sits to the immediate right of A. E sits second to the left of B. C is an immediate neighbour of D.

How many people sit between C and E when counted from the right of C?

A. 2 

B. 1

C. 3

D. 4

Q36

A and B started a business investing ₹45,000 and ₹60,000, respectively. After 4 months, C joined them with ₹75,000. If the total profit at the end of the year is ₹62,000, find the difference (in ₹) between the shares of B and C in the profit.

A. 7,000

B. 6,000

C. 8,000

D. 4,000 **Q37**

Each letter in the word **PERSON** is changed to the second letter immediately following it in the English alphabetical order, and then all the letters thus formed are arranged in alphabetical order. Which letter will be fifth from the right in the new number thus formed?

A. t

B. e

C. p 

D. q



Q38

Jessica starts from Point A and drives 56 km towards north. He then takes a right turn, drives 58 km, turns right and drives 61 km. He then takes a right turn and drives 61 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 degrees turns only unless specified)

A. पश्चिमेकडे 4 km

B. पूर्वेकडे 1 km

C. पूर्वेकडे 3 km

D. पूर्वेकडे 2 km

Q39

What is the mode of the following data?

48, 42, 46, 42, 44, 43, 48, 49, 48, 45, 53, 46, 47, 47, 49, 53, 50, 41

A. 42

B. 47

C. 46

D. 48

Q40

A pipe can fill a tank in 5 hours, and another pipe can empty the same tank in 10 hours. How long will it take for both pipes to fill the tank when working together?

A. 10 तास

B. 15 तास

C. 12 तास

D. 8 तास

Q41

What sum (in ₹) will earn an interest of ₹480 in 2 years at 15% simple interest per year?

A. 1600

B. 1400

C. 1750

D. 1800

Q42

Each vowel in the word RESTING 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. f

B. r

C. j

D. s

Q43

A sound wave has a frequency of 4 kHz and a wavelength of 25 cm. How much time will it take to travel a distance of 2.5 km?

A. 2.0 s

B. 2.5 s

C. 2.2 s

D. 2.6 s

Q44

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

GVJ : ZOB

AIE : TBW

A. tyu : ahl

B. bra : qdn

C. atn : tlf

D. amy : tfq



Q45

Each of A, B, C, D, S, T and U has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. S has the exam on Thursday, and U has the exam on Saturday. T has the exam immediately before B. A has the exam on one of the days after C. D has the exam immediately after B. How many people have exams between A and D?

A. दोन

B. चार

C. एक

D. तीन



Q46

Which of the following correctly describes the properties of a proton?

A. ते ऋणभारित असतात आणि केंद्रकाच्या आत स्थित असतात.

B. त्याचा विद्युतभार धन आहे आणि त्याचे वस्तुमान इलेक्ट्रॉनइतके आहे.

C. त्याला कोणताही भार नसतो आणि तो केंद्रकात असतो.

D. ते धनभारित असतात आणि त्यांचे वस्तुमान इलेक्ट्रॉनपेक्षा अंदाजे 2000 पटीने जास्त आहे.



Q47

4% of a number is what percentage of 16% of the same number?

A. 20%

B. 10%

C. 25%



D. 400%

Q48

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

(Left) I A & @ @ # X % A N * @ W U # P \$ U X & K Y
(Right)

How many such symbols are there, each of which is immediately preceded by a letter and also immediately followed by a symbol?

A. 4

B. 3

C. 2



D. 1

Q49

Two trains of equal length are running on parallel lines in the same direction at speeds of 39 km/h and 21 km/h. The faster train passes the slower train in 26 seconds. The length of each train is:

A. 80 मीटर

B. 45 मीटर

C. 48 मीटर

D. 65 मीटर



Q50

Which of the following is a mechanical method of weed control?

A. hand weeding



B. seed treatment

C. spraying herbicides

D. crop rotation

Q51

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

ILT LOW ORZ RUC ?

A. ufx

B. uxf



C. uff

D. ude

Q52

Two alloys are made by mixing metals A and B in the ratio 3 : 2 and 5 : 3, respectively. Equal quantities of the two alloys are melted and mixed together. Find the ratio of metals A and B in the final mixture.

A. 8 : 5

B. 49 : 31



C. 49 : 30

D. 7 : 4



Q53

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

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

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

- A. एक
- B. तीन
- C. एकही नाही
- D. दोन

**Q54**

In a certain code language, 'HAGS' is coded as '7934' and 'EAHS' is coded as '9413'. What is the code for 'E' in the given code language?

- A. 9
- B. 3
- C. 1
- D. 4

**Q55**

In a certain code language,

'A + B' means 'A is the mother of B',
'A - B' means 'A is the brother 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 P related to T, if 'P × S ÷ R - Q + T'?

- A. आईच्या बहिणीचा पती
- B. आईच्या वडिलांचा भाऊ
- C. वडिलांच्या बहिणीचा पती
- D. आईच्या वडिलांची बहीण

**Q56**

In a division sum, the divisor is 10 times the quotient and 6 times the remainder. If the remainder is 25, what is the dividend?

- A. 2280
- B. 2277
- C. 2275
- D. 2276

**Q57**

In a code language, 'PET' is coded as 123 and 'NEAR' is coded as 152. How will 'TRAIN' be coded in the same language?

- A. 196
- B. 288
- C. 218
- D. 310

**Q58**

During the chlor-alkali process, which of the following statements is correct regarding the products formed at different electrodes?

- A. कॅथोडवर क्लोरीन वायू आणि ऍनोडवर हायड्रोजन वायू मुक्त होतो.
- B. सोडियम हायड्रॉक्साइड आणि हायड्रोजन हे दोन्ही वायू ऍनोडवर तयार होतात.
- C. कॅथोडवर हायड्रोजन वायू आणि ऍनोडवर क्लोरीन वायू मुक्त होतो.
- D. ऍनोडवर सोडियम हायड्रॉक्साइड आणि कॅथोडवर क्लोरीन वायू तयार होतो.

**Q59**

The Indian Genomic Data Set launched in 2025 is stored at which of the following facilities?

- A. भारतीय जीनोमिक्स मिशन लॅब
- B. भारत जैवमाहितीशास्त्र केंद्र
- C. नॅशनल डेटा आर्काइव्ह ऑफ इंडिया
- D. भारतीय जैविक डेटा केंद्र



Q60

In a certain code language,

'A + 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'.

Based on the above, how is P related to T, if 'P × Q ÷ S - R + T'?

- A. आईची बहीण
- B. वडिलांची आई
- C. वडिलांची बहीण
- D. आईची आई



Q61

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?

22 B 108 A 12 C 43 D 171 = ?

- A. 72
- B. 75
- C. 70
- D. 71



Q62

Chahak starts from point A and walks for 6 m towards the south. Then she takes a left turn and walks for 5 m. Then she takes a left turn again and walks for 9 m. Once again, she takes a left turn and walks for 2 m. At last, she takes one more left turn and walks for 3 m. And she stops at point B. Towards which direction should she walk in order to reach point A again? (All turns are 90-degree turns only unless specified.)

- A. दक्षिण
- B. उत्तर
- C. पश्चिम
- D. पूर्व



Q63

Among five people named V, W, X, Y and Z, each have a certain age. The age of X is 30. V is four times the age of W. Y is twice the age of V. Z is five times the age of W. If Z is half the age of X, what is the age of Y?

- A. 75
- B. 45
- C. 25
- D. 24



Q64

Each of G, H, I, J, K, L and M has an exam on a different day of a week starting from Monday and ending on Sunday of the same week. G has an exam on Wednesday. Only two persons have exam between G and L. I has exam immediately before L. H's exam is not on the last day. J has exam immediately after K. On which day does M have the exam?

- A. शुक्रवार
- B. सोमवार
- C. शनिवार
- D. रविवार



Q65

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

CMA GQF KUK OYP ?

- A. sca
- B. rmu
- C. smu
- D. scu



Q66

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. lcz

B. ofc

C. wnk

D. tlh

**Q67**

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

A. h



B. l

C. o

D. d

Q68

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. gx - ia

B. sm - uq



C. ja - ld

D. pv - ry

Q69

Which of the following statements correctly describes a double concave lens?

A. it is thinner at the edges and thicker in the middle; it converges light rays.

B. it is thicker at the edges and thinner in the middle; it diverges light rays.



C. it is used to focus light to a single point.

D. it is equally thick at the center and edges; it neither converges nor diverges light.

Q70

BIGE is related to CKJI in a certain way based on the English alphabetical order. In the same way, RYAK is related to SADO. To which of the given options is JQTB related, following the same logic?

A. jsxf

B. kswf



C. ktwe

D. jsxe

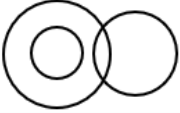


Q71

Select the Venn diagram that best illustrates the relationship between the following classes.

Trees, Grass, Bamboo

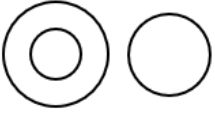
A.



B.



C.



D.



Q72

If $X + \frac{1}{X} = 15$, find the value of $X^2 + \frac{1}{X^2}$.

A. 125

B. 225

C. 223



D. 143

Q73

25:1826:952:8125:81

A. 25:18

B. 26:9

C. 52:81

D. 25:81



Q74

$$\frac{8}{7}$$

A. 18

B. 10

C. 9

D. 14



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Q75

A circle is inscribed in the ΔABC , touching AB, BC and AC at the points P, Q and R, respectively. If $AB - BC = 3$ cm, $AB - AC = 2$ cm and the perimeter of $\Delta ABC = 60$ cm, then $PB + AR$ (in cm) is

A. $\frac{68}{3}$

B. $\frac{65}{3}$



C. $\frac{64}{3}$

D. $\frac{61}{3}$

