



RRB Group D 2018

Level-1 Posts (Group D) · CEN 02/2018 · CBT (17 Sep - 17 Dec 2018) · Question Paper

English

All 12 Shifts (Sets) · Official Answer Key

About this Compilation

This booklet contains all **12 shift papers** of the **RRB Group D 2018** examination in **English**, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

Source and order. Original question images of official RRB response sheets saved in our library (no retyping, no OCR). Every paper is printed in RRB's own question order (Maths Q1-25, Reasoning Q26-55, General Science Q56-80, General Awareness Q81-100), options in RRB's own order.

Shifts. This English edition holds **12 of the roughly 152 shifts** of the exam (6 in Sep, 2 in Oct, 2 in Nov, 2 in Dec): only the shifts for which a response sheet with the questions in English was saved. The other shifts were not saved by us or only in Hindi (see the Hindi book).

Answer key. Official RRB key (green tick of the response sheets); 31 questions dropped by RRB ("ignored for all candidates") are printed as asked, with RRB's note and no tick; 2 questions show no correct option on the only saved response sheet: printed without a tick, with a note.

Not readable. 7 questions of 6 shifts could not be read from any saved sheet (sheet printed short or the question printed without its images): 17 Sep 2018 9:00 AM: 1; 18 Sep 2018 9:00 AM: 1; 19 Sep 2018 12:30 PM: 1; 31 Oct 2018 12:30 PM: 1; 5 Nov 2018 4:00 PM: 2; 10 Dec 2018 9:00 AM: 1.

English not saved for 98 questions (8 shifts): the Hindi version is printed, marked HINDI.

How to use

- Use the **Index** page to jump directly to any set (clickable).
- Questions appear section by section in the order of the paper, numbered 1 onward.
- Diagram and wide-table questions appear at full width at the end of their section.
- The correct answer is highlighted in green with a tick.

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Index — All Sets (click to open)

<div>Set 1</div> <div>17 Sep 2018</div> <div>9:00 AM - 10:30 AM</div>	<div>Set 7</div> <div>23 Oct 2018</div> <div>9:00 AM - 10:30 AM</div>
<div>Set 2</div> <div>17 Sep 2018</div> <div>4:00 PM - 5:30 PM</div>	<div>Set 8</div> <div>31 Oct 2018</div> <div>12:30 PM - 2:00 PM</div>
<div>Set 3</div> <div>18 Sep 2018</div> <div>9:00 AM - 10:30 AM</div>	<div>Set 9</div> <div>05 Nov 2018</div> <div>4:00 PM - 5:30 PM</div>
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Mathematics

25 Questions • Answer Key

Q1 Mathematics

$\frac{2}{3}, \frac{8}{9}, \frac{10}{27}, \frac{32}{81}$ का म.स.प. है:

A. $\frac{160}{81}$

B. $\frac{160}{3}$

C. $\frac{2}{81}$ ✓

D. $\frac{2}{3}$

Q2 Mathematics

The HCF of two co-prime numbers is:

A. 1 ✓

B. 0

C. 2

D. the product of the co-primes

Q3 Mathematics HINDI - no English version saved

5 दोस्तों के बीच एक केक बांटा जाता है। 4 को केक का क्रमशः

$\frac{1}{8}, \frac{1}{6}, \frac{5}{12}, \frac{1}{12}$ हिस्सा मिलता है। केक का कितना हिस्सा पांचवे दोस्त को

मिलेगा?

A. $\frac{5}{24}$ ✓

B. $\frac{1}{4}$

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

D. $\frac{3}{8}$



Q4 Mathematics

Which of the following is true?

A. $\frac{9}{16} = \frac{13}{24}$

B. $\frac{9}{16} < \frac{13}{24}$

C. $\frac{9}{16} > \frac{13}{24}$ ✓

D. $\frac{9}{16} \leq \frac{13}{24}$

Q5 Mathematics

$56 \div \frac{1}{3} \{15 + 12 - (9 + 6 - \overline{5+7})\} = ?$

A. 12

B. 9

C. 8

D. 7 ✓

Q6 Mathematics

What is the value of the expression?

$\frac{(a-b)^3 + (b-c)^3 + (c-a)^3}{3(a-b)(b-c)(c-a)} = ?$

A. 1 ✓

B. 4

C. 0

D. 2

Q7 Mathematics

If the number $x4461$ is divisible by 11, what is the face value of x ?

A. 5 ✓

B. 4

C. 3

D. 2



Q8 Mathematics

Which of the following is a perfect cube?

- A. 8000
- B. 9261
- C. 9999
- D. 9000

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q9 Mathematics

₹ 720 was divided among A, B, C, D, E. The sum received by them was in ascending order and in Arithmetic Progression. E received ₹ 40 more than A. How much did B receive?

- A. ₹ 124
- B. ₹ 134
- C. ₹ 144
- D. ₹ 154

**Q10 Mathematics**

Anurag loses one-seventh of the cost by selling a pen for ₹ 144. If the pen is sold for ₹ 189, what is the gain percent?

- A. 14%
- B. 12.5%
- C. 11%
- D. 11.5%

**Q11 Mathematics**

A TV set is being sold for ₹ X in Delhi. A dealer went to Chandigarh and bought the TV at 20% discount (from the price of Delhi). He spent ₹ 600 on transport. Thus he sold the set in Delhi for ₹ X making $\left(\frac{100}{7}\right)\%$ profit. What is the value of X?

- A. ₹ 9600
- B. ₹ 8800
- C. ₹ 8000
- D. ₹ 7200



Q12 Mathematics

The compound interest on ₹ 1,60,000 for 2 years at 10% per annum when compounded semi-annually is:

A. ₹ 34,481



B. ₹ 34,480

C. ₹ 34,400

D. ₹ 30,000

Q13 Mathematics

If a driver drives a car 15m/s then how much distance is covered by him in 3 hours 20 mins?

A. 150 km

B. 200 km

C. 180 km



D. 165 km

Q14 Mathematics HINDI - no English version saved

विपरीत दिशाओं से आ रही 152.5 m और 157.5 m लंबी दो गाड़ियाँ 9.3 सेकंड में एक-दूसरे को पार कर जाती हैं। तो दोनों गाड़ियों की संयोजित गति प्रति घंटा कितनी होगी?

A. 125 km

B. 120 km



C. 130 km

D. 115 km

Q15 Mathematics

Rohan and Rohit together can do a certain job in 10 days while Rohan alone can do the same job in 15 days. How many days Rohit alone will do the same job?

A. 35 days

B. 30 days



C. 32 days

D. 25 days



Q16 Mathematics

Two inlet pipes, A and B, can fill an empty cistern in 22 and 33 hours, respectively. They were opened at the same time, but pipe A had to be closed 3 hours before the cistern was full. How many hours in total did it take the two pipes to fill the cistern?

A. 14.2

B. 15



C. 16.2

D. 16

Q17 Mathematics

A clock is fixed on a horizontal table. At 3 pm its minute hand is pointing towards North. At 3.40 pm, the minute hand will point towards?

A. South-west

B. South-east

C. 60° west of south



D. 60° south of west

Q18 Mathematics HINDI - no English version saved

A, B और C एक टैंक से जुड़े तीन वाल्व हैं। A और B मिलकर टैंक को 6 घंटे में भर सकते हैं। B और C मिलकर टैंक को 10 घंटे में भर सकते हैं। A और C मिलकर टैंक को $7\frac{1}{2}$ घंटे में भर सकते हैं। A अकेला टैंक को भरने में कुल कितना समय लेगा?

A. 10 घंटे



B. 11 घंटे

C. 12 घंटे

D. 13 घंटे

Q19 Mathematics

On what dates of March 2005 did Friday fall?

A. 4, 11, 18 and 25



B. 5, 12, 19, and 26

C. 6, 13, 20 and 27

D. 3, 10, 17 and 24



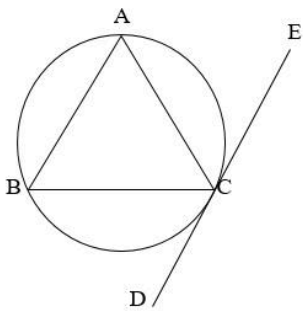
Q20 Mathematics

It was Monday on 1st January 2018. What was the day of the week on 1st January 2010?

- A. Friday
- B. Monday
- C. Tuesday
- D. Thursday

**Q21** Mathematics

Refer to the given figure and answer the question that follows.



If AB is parallel to EC and $\angle BCD = 72^\circ$, then what is the value of $\angle BAC$?

- A. 67°
- B. 75°
- C. 72°
- D. 73°

**Q22** Mathematics

$$\frac{\sin A + \sin B}{\cos A - \cos B} + \frac{\cos A + \cos B}{\sin A - \sin B} = ?$$

- A. 0
- B. $\sin A \cos B$
- C. $\cos A \cos B$
- D. $\tan A \tan B$



Q23 Mathematics

If $\sec^4 \theta - \sec^2 \theta = 3$ then the value of $\tan^4 \theta + \tan^2 \theta$ is:

A. 3



B. 4

C. 6

D. 8

Q24 Mathematics

The area of the triangle whose vertices are given by $(1, 2)$, $(-4, -3)$ and $(4, 1)$ is:

A. 20 sq. units

B. 10 sq. units



C. 14 sq. units

D. 7 sq. units

Q25 Mathematics

यदि $(\cos^2 \theta + \frac{1}{\operatorname{cosec}^2 \theta}) + 17 = x$ है, तो x^2 का मान क्या होगा?

A. 16

B. 18

C. 324



D. 256

General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

Choose the person who does NOT belong to the group.

A. Albert Einstein

B. Thomas A Edison

C. Alexander Graham Bell

D. Virat Kohli



Q27 General Intelligence and Reasoning

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statement:

- All petals are flowers.
- Some petals are yellow.
- All yellows are flowers.

Conclusions:

1. All flowers are yellow.
2. All yellows are petals.

- A. Only conclusion 2 follows
- B. Both the conclusions follow
- c. Only conclusion 1 follows
- D. None of the conclusions follow



Q28 General Intelligence and Reasoning

Read the statements and conclusions below.

Statements:

- No cows are cats
- All cats have mustache

Conclusions:

1. Some cows are cats
2. Some cows have mustache

Which conclusion(s) follow(s) the given statement?

- A. Only conclusion 2 follows
- B. All the conclusions follow
- c. Only conclusion 1 follows
- D. No conclusion follows



Q29 General Intelligence and Reasoning HINDI - no English version saved

दिए गए कथनों को सत्य मानिए भले ही वे सामान्यतः मान्य तथ्यों से भिन्न प्रतीत होते हों और उसके आधार पर तय कीजिए कि दिए गए कौन से निष्कर्ष कथनों का तार्किक रूप से अनुसरण करते हैं?

कथन:

- कुछ धातुएं लोहा हैं
- कुछ लोहा भारी होता है

निष्कर्ष:

1. सभी लोहे धातुएं हैं
2. सभी भारी धातुएं हैं

A. केवल निष्कर्ष 2 अनुसरण करता है

B. सभी निष्कर्ष अनुसरण करते हैं

C. केवल निष्कर्ष 1 अनुसरण करता है

D. कोई भी निष्कर्ष अनुसरण नहीं करता है



Q30 General Intelligence and Reasoning

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statement:

- All cars are Jeeps.
- All Jeeps are four-wheelers.

Conclusions:

1. All four-wheelers are cars.
2. Some four-wheelers are Jeeps.

A. Only conclusion 2 follows.



B. All the conclusions follow.

C. Only conclusion 1 follows.

D. Neither conclusion follows.



यदि PIPE को 169165 लिखा जाता है ,तो SWAN का अंतिम अक्षर क्या होगा?

A. 4



B. 3

C. 5

D. 6

Q32 General Intelligence and Reasoning

Consider the given statement to be true even if it seems to be at variance with the commonly known facts and decide which of the given conclusions logically follow(s) from the statement.

Statement:

All that glitters is not gold.

Conclusions:

I. Things that appear good from outside are not probably good from inside.

II. We cannot imagine the inner truth behind the glossy outlook of anything or any person from far.

A. Only conclusion I follows.

B. Only conclusion II follows.

C. Neither conclusion I nor II follows.

D. Both conclusions I and II follow.



Q33 General Intelligence and Reasoning

Given is a statement followed by two assumptions numbered I and II. Consider the statement and the following assumptions and decide which of the assumptions is/are implicit in the statement.

Statement:

Making homes energy efficient is important for a sustainable development.

Assumptions:

- I. Replace incandescent light bulbs with compact fluorescent lamps (CFLs) at home.
- II. Plant shade trees and shrubs around your house. Good landscaping (particularly deciduous trees) can save energy, especially if planted on the house's west side.

- A. Only assumption I is implicit.
- B. Only assumption II is implicit.
- C. Neither assumption I nor II is implicit.
- D. Both assumptions I and II are implicit.

Answer key not saved: the saved RRB response sheet shows no correct option for this question (no tick printed).

Q34 General Intelligence and Reasoning

Consider the given statement and decide which of the following assumptions is/are implicit in the statement.

Statement:

"Every city must house an ecological park", says the Mayor to his secretary.

Assumptions:

- I. Ecological parks improve green cover.
- II. Ecological parks help reduce air pollution.

- A. Only I is implicit.
- B. Only II is implicit.
- C. Neither I nor II is implicit.
- D. Both I and II are implicit.



नीचे दिये गये कथन में कौन सी अवधारणा अंतर्निहित है।

कथन:

छात्र 1 ने छात्र 2 से कहा, "मुझे पढ़ने के लिए आपके नोट्स चाहिए।"

अवधारणा:

- I. छात्र 2 ने नोट्स तैयार कर लिये हैं।
- II. छात्र 1 उसकी समझ को सत्यापित करना चाहता है।

A. केवल I अंतर्निहित है।



B. केवल II अंतर्निहित है।

C. न तो I और न ही II अंतर्निहित हैं।

D. I और II दोनों ही अंतर्निहित हैं।

Find the next letter in the following series.

C, D, F, I, ?

A. M



B. N

C. G

D. P

Find the next term in the following series.

5I, 7J, 11L, 17O, ?

A. 18C

B. 20P

C. 25Y

D. 25S



Q38 General Intelligence and Reasoning HINDI - no English version saved

निम्नलिखित श्रृंखला का अगला पद क्या होगा?

B25Y, D23W, F21U, _____.

A. H19S



B. I20T

C. H20V

D. I19V

Q39 General Intelligence and Reasoning

Find out which of the following are twin primes.

A. (3, 7)

B. (43, 47)

C. (37, 41)

D. (71, 73)



Q40 General Intelligence and Reasoning HINDI - no English version saved

अच्युत्य ₹ 25,000 का निवेश कर एक चाय की दुकान खोलता है। वह इस राशि का 30% दुकान की फर्निशिंग पर और 20% दुकान के लिए अन्य आवश्यक सामग्री खरीदने में करता है। अपनी दुकान के लिए बाकी के समान खरीदने के लिए अब उसके पास कितने रुपए बचे?

A. ₹ 20,000

B. ₹ 5,000

C. ₹ 12,500



D. ₹ 12,000

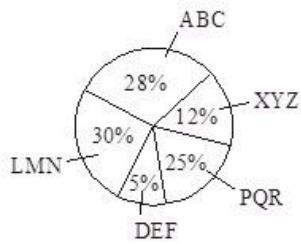


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Q41 General Intelligence and Reasoning

The given pie chart shows information about the mobile phone manufacturing companies in India. The total number of mobile phone units manufactured is 12,40,000.



How many units of mobile phones were manufactured by company 'LMN'?

- A. 6,12,000
- B. 3,72,000
- C. 12,40,000
- D. 6,20,000

Q42 General Intelligence and Reasoning

You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

What is the total weight of 20 cartons of Vegetables? Each of them weighs equal.

Statements:

1. Of the first 10 boxes, one-third of each box weighs 10 kg
2. The total weight of 6 boxes is 40 kg more than the total weight of 4 boxes

- A. Statement 1 and 2 are not sufficient
- B. Statement 1 alone is sufficient
- C. Statement 2 alone is sufficient
- D. Both Statements 1 and 2 alone are sufficient

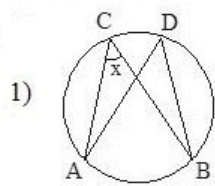


Q43 General Intelligence and Reasoning

Read the given question and decide which of the following information is sufficient to answer the question.

What is the value of $\angle ACB$?

Information:



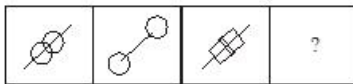
2) $\angle D = 60^\circ$

- A. Only 1 is sufficient.
- B. Only 2 is sufficient.
- C. Both 1 and 2 are sufficient. ✓
- D. Either 1 or 2 is sufficient.

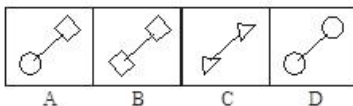
Q44 General Intelligence and Reasoning

Which answer figure will come next in the given problem figure series?

Problem figures:



Answer figures:



- A. A
- B. B ✓
- C. C
- D. D



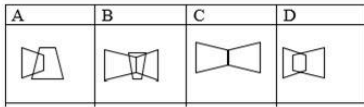
Q45 General Intelligence and Reasoning

Which of the option figures bears the closest resemblance to the question figure?

Problem Figure:



Answer Figures:



A. A

B. B



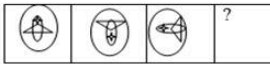
C. C

D. D

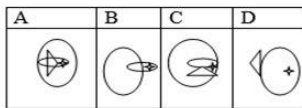
Q46 General Intelligence and Reasoning

Select the option that can replace the question mark (?) in the following series.

Problem Figure:



Answer Figures:



A. A



B. D

C. C

D. B



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Q47 General Intelligence and Reasoning

Find the odd one out.

$\frac{T}{\perp}$	$\frac{V}{\wedge}$	$\frac{N}{N}$	$\frac{A}{\nabla}$
A	B	C	D

A. A

B. B

C. C



D. D

Q48 General Intelligence and Reasoning

Which pattern resembles closer to?

Problem Figure:



Answer Figures:

A	B	C	D

A. A



B. B

C. C

D. D



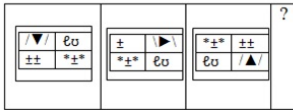
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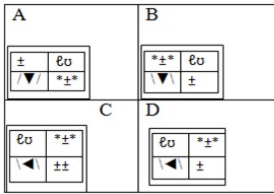
Q49 General Intelligence and Reasoning

Which of the option figures comes next?

Problem Figure:



Answer Figures:



A. A

B. B

C. C

D. D



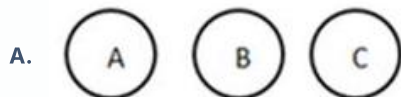
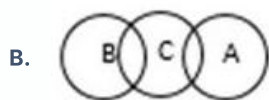
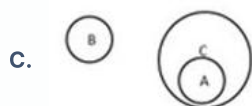
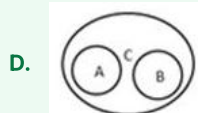
Q50 General Intelligence and Reasoning

Which of the following Venn diagrams correctly represents the relationship between the given classes?

A) Whale

B) Ship

C) Ocean



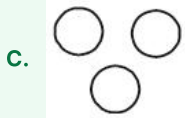
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Q51 General Intelligence and Reasoning

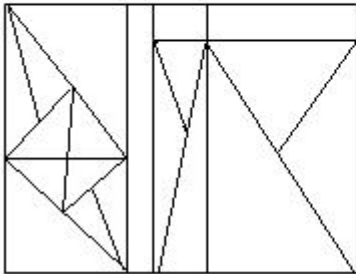
Choose the most suitable Venn diagram for the following words.

Horse, Monkey, Tiger



Q52 General Intelligence and Reasoning

How many triangles are there in the following figure?



A. 23

B. 24

C. 25

D. 27



Q53 General Intelligence and Reasoning

Which of the answer figures is formed from the two shapes given the problem figure?

Problem figure:



Answer figures:

A	B	C	D

A. A

B. B



C. C

D. D

Q54 General Intelligence and Reasoning

If South becomes South-West, then what will North become?

A. North-West

B. North-East



C. South-East

D. South-West

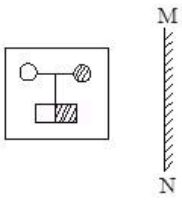
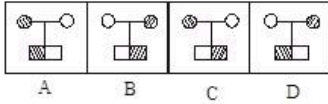


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Q55 General Intelligence and Reasoning

Choose the mirror image for the following figure when the mirror is kept at the MN line.



A. A



B. B

C. C

D. D

General Science

24 Questions • Answer Key

Q56 General Science

As long as an unbalanced force is applied to a body ,there is a continuous change in its:

A. shape

B. mass

C. weight

D. speed



Q57 General Science

The force of gravity acting on an object is also known as _____.

A. weight



B. acceleration

C. mass

D. impulse



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Q58 General Science

The mass of the Earth is:

- A. 6×10^{-24} kg
- B. 6×10^{24} kg
- C. 6×10^{23} kg
- D. 6×10^{-23} kg



Q59 General Science HINDI - no English version saved

भौतिक विज्ञान में किये गए कार्य को परिभाषित किया जाता है-

- A. किसी वस्तु पर कार्यान्वित बल, जो वस्तु को विस्थापित नहीं कर पाता है, के द्वारा
- B. विस्थापित वस्तु द्वारा
- C. वस्तु पर कार्यान्वित बल द्वारा
- D. उपरोक्त सभी के द्वारा

- A. A और B सही हैं
- B. B और C सही हैं
- C. A और C सही हैं
- D. D सही है

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q60 General Science

A force increases the speed of a 1.0 kg object from 4 m/s to 8 m/s. The work done by the force will be _____.

- A. 8 J
- B. 16 J
- C. 24 J
- D. 32 J



Q61 General Science

When a body moves on a circular path, the force that acts on the revolving body towards the center is called:

- A. gravitational force
- B. centripetal force
- C. simple force
- D. angular force

Q62 General Science

In which of the following media does sound travel the fastest?

- A. Solids
- B. Liquids
- C. Gases
- D. Vacuum

Q63 General Science

Which of the following animals can produce ultrasound?

- A. Shark
- B. Porpoises
- C. Elephant
- D. Moths

Q64 General Science

_____ is the amount of work done in carrying a charge of 4 C across two points having a potential difference of 18 V.

- A. 4.5 J
- B. 72 J
- C. 24 J
- D. 7.2 J



Q65 General Science

The resistance of a conductor does NOT depend on which of the following factors?

- A. Length
- B. Area of cross section
- C. Material
- D. Pressure



Q66 General Science

The chemical symbol of which of the following elements is derived from Latin?

- A. Aluminium
- B. Iron
- C. Carbon
- D. Chlorine



Q67 General Science

What will be the direction of the magnetic field at a point directly below a horizontal power line with the current flowing from east to west when viewed from the west end?

- A. Clockwise
- B. Anticlockwise
- C. Perpendicular to the flow of the current
- D. Parallel to the flow of the current



Q68 General Science

The ratio of the mass of hydrogen to the mass of oxygen is always _____.

- A. 8 : 1
- B. 1 : 8
- C. 1 : 2
- D. 2 : 1



Q69 General Science

How many water molecules are present in one molecule of washing soda?

- A. 5
- B. 7
- C. 8
- D. 10



Q70 General Science

Which of the following options is an example of a salt that gives an aqueous solution of pH less than 7?

- A. Sodium chloride
- B. Ammonium chloride
- C. Sodium carbonate
- D. Sodium bicarbonate



Q71 General Science

Which of the following can exist in solid, liquid and gaseous forms?

- A. Metalloids
- B. Metals
- C. Non-metals
- D. Inert elements



Q72 General Science

Which of the following metals reacts with steam to form metal oxide and hydrogen?

- A. Lead
- B. Copper
- C. Silver
- D. Aluminium



Q73 General Science

In the modern periodic table, which group elements have a complete outer shell?

A. 18th



B. 17th

C. 16th

D. 15th

Q74 General Science

Generally, the valency of electropositive elements is:

A. 0,1,2

B. 1,2,3



C. 4,3,2

D. 2,1,0

Q75 General Science

Which of the following animals is warm-blooded?

A. Fish

B. Toad

C. Crocodile

D. Pigeon



Q76 General Science

The flexibility in plants is due to _____ tissue.

A. phloem

B. xylem

C. sclerenchyma

D. collenchyma



Q77 General Science

In which of the following processes is oxygen released into the air?

- A. Respiration
- B. Transpiration
- C. Photosynthesis
- D. Excretion



Q78 General Science

A type of reproduction in which a part of a plant body develops into a new individual is called _____.

- A. sexual propagation
- B. vegetative propagation
- C. fission
- D. regeneration



Q79 General Science

The fertilised egg, the zygote, gets implanted in the:

1

- A. uterus
- B. vagina
- C. cervix
- D. ovary



General Awareness and Current Affairs

20 Questions • Answer Key

Q80 General Awareness and Current Affairs

Name the badminton player who won his maiden Super Series title in Singapore in April 2017?

- A. Srikanth Kidambi
- B. Sai Praneeth
- C. Prannoy Kumar
- D. Parupalli Kashyap



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Q81 General Awareness and Current Affairs

How many medals did India win in the US Open Karate Championship held in Las Vegas in April 2017?

A. 15

B. 12

C. 17

D. 16



Q82 General Awareness and Current Affairs

Which of the following sports is Satyawart Kadiyan related to?

A. Hockey

B. Wrestling



C. Football

D. Kabaddi

Q83 General Awareness and Current Affairs

Who portrayed the character of Allauddin Khilji in the controversial movie 'Padmavat'?

A. Ranbir Kapoor

B. Ranveer Singh



C. Shahid Kapoor

D. Rana Daggubati

Q84 General Awareness and Current Affairs

What was the theme of the 2016 Indian Film Festival of Melbourne (IFFM) at which Sonam Kapoor won the Best Actress Award for her performance in Neerja Bhanot's biopic 'Neerja'?

A. Celebration of Life

B. Beti Bachao

C. Enrichment of Women Status

D. Female Empowerment



Q85 General Awareness and Current Affairs

Which of the following country hosts the Academy (Oscar) Awards for excellence in cinema every year?

- A. UK
- B. USA
- C. France
- D. Canada



Q86 General Awareness and Current Affairs

Who has been chosen for the RedInk Award for Lifetime Achievement in Journalism for 2018?

- A. Arun Shourie
- B. Mark Tully
- C. Barkha Dutt
- D. N. Ram



Q87 General Awareness and Current Affairs

Identify the award which recognises workers for their distinguished performance, innovative ability, outstanding contribution in the field of productivity and exhibition of exceptional courage and presence of mind.

- A. Shram Awards
- B. Padma Awards
- C. Krishi Awards
- D. Dronacharya Award



Q88 General Awareness and Current Affairs

President Ram Nath Kovind has felicitated _____ exceptional women achievers at Rashtrapati Bhawan in New Delhi. These 'FIRST LADIES' are those who are first to set milestone of achievement in their respective fields.

- A. 112
- B. 111
- C. 113
- D. 114



Q89 General Awareness and Current Affairs

Which of the following state governments launched the 'Quit India 2-from Swaraaj to Suraaj' initiative at the historic August Kranti Maidan in August 2016?

- A. Haryana
- B. Maharashtra
- C. Madhya Pradesh
- D. West Bengal

Q90 General Awareness and Current Affairs

What is 'Hausala 2017', which was celebrated from 16th November to 20th November 2017?

- A. Celebration of children's rights
- B. Celebration of women's rights
- C. Celebration of senior citizen's rights
- D. Celebration of transgender rights

Q91 General Awareness and Current Affairs

Which union minister has launched PowerTex India scheme to boost powerloom sector?

- A. Nitin Gadkari
- B. Smriti Irani
- C. Maneka Gandhi
- D. Ravi Shankar Prasad

Q92 General Awareness and Current Affairs

Which of the following is known as the Upper house of the Indian Parliament?

- A. Lok Sabha
- B. Rajya Sabha
- C. Supreme court
- D. PMO



Q93 General Awareness and Current Affairs

Dayanand Saraswati was the founder of which of the following missions?

- A. Chinmaya Mission
- B. Arya Samaj
- C. Brahmo Samaj
- D. Prarthana Samaj



Q94 General Awareness and Current Affairs

The Hundred Years' War was fought between which two countries?

- A. England and France
- B. Germany and France
- C. England and Germany
- D. England and Italy



Q95 General Awareness and Current Affairs

Which of the following is known as 'the Princess of Hill Stations'?

- A. Darjeeling
- B. Dehradun
- C. Ooty
- D. Kodaikanal



Q96 General Awareness and Current Affairs

Which of the following countries has the longest coastline in the world?

- A. Australia
- B. Norway
- C. Canada
- D. Indonesia



Q97 General Awareness and Current Affairs

Which is the second company to hit \$900 billion market capitalization after Apple?

- A. Google
- B. Amazon
- C. Facebook
- D. Walmart



Q98 General Awareness and Current Affairs

A committee under the chairmanship of Uday Kotak was constituted in 2017 to improve efficiency in:

- A. customer satisfaction
- B. labour management relations
- C. corporate governance
- D. government policies



Q99 General Awareness and Current Affairs

Name the first city in India to use a robot to control traffic.

- A. Jaipur
- B. Varanasi
- C. Indore
- D. Kochi



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Mathematics

25 Questions • Answer Key

Q1 Mathematics

$$\frac{2^8 - 1}{(\sqrt{2})^{12}} = ?$$

A. $\frac{223}{64}$

B. $\frac{127}{32}$

C. $\frac{255}{64}$ ✓

D. $\frac{196}{65}$

Q2 Mathematics

$$[\{ (161 + (19 - 2) + 1) \} - 3] = \underline{\hspace{2cm}}$$

A. 174

B. 176 ✓

C. 172

D. 171

Q3 Mathematics

Find the difference between 0.02 and 0.002.

A. 1.8

B. 0.0018

C. 0.18

D. 0.018 ✓

Q4 Mathematics

The value of half of the HCF of 36 and 144 is:

A. 36

B. 144

C. 18 ✓

D. 72



Q5 Mathematics

What is the fraction which, when taken away from $\frac{1}{2}$, gives $\frac{3}{4}$?

A. $-\frac{1}{3}$

B. $-\frac{1}{4}$ ✓

C. $\frac{1}{4}$

D. $\frac{1}{3}$

Q6 Mathematics

A, B, C have 152, 171 and 266 marbles, respectively. They decide to divide these marbles in parts such that all parts have the same number of marbles. Also, they cannot give or take the marbles. Find the minimum possible number of parts that can be made.

A. 49

B. 196

C. 23

D. 31 ✓

Q7 Mathematics

Which of the following numbers is perfectly divisible by 4?

A. 5632654

B. 7253566

C. 4187290

D. 6542176 ✓

Q8 Mathematics

Find the area of the triangle formed with the three straight lines represented by:

i) $x + y = 0$; ii) $3x = 5y$; and iii) $y = 3x - 12$

A. 15 unit

B. 20 unit

C. 16 unit

D. 12 unit ✓



Q9 Mathematics

If $p : 18 :: 5 : 3$, then what is the value of p ?

- A. 50
- B. 60
- C. 25
- D. 30



Q10 Mathematics

35% of a number is 91. What is the number?

- A. 245
- B. 252
- C. 260
- D. 266



Q11 Mathematics

In a shopping mall the cost of an article was increased by 10% and then it was decreased by 10%. The net increase or decrease percent is:

- A. 1.5% decrease
- B. 1.5% increase
- C. 1% decrease
- D. 1% increase



Q12 Mathematics

The selling price of an item inclusive of a 12% profit was ₹ 616. What would the percentage loss be if the item was sold for ₹ 462?

- A. 16
- B. 14
- C. 18
- D. 12



Q13 Mathematics

Ratio of days required by A and B to complete some work is 3 : 5. They require $5\frac{5}{8}$ days to complete the work. In how many days can A alone complete twice the work?

A. 18 days



B. 9 days

C. 15 days

D. 30 days

Q14 Mathematics

A man travels by train and car to reach his office. If he travels by car for 10 km and the remaining by train, he reaches office in t hours. Doing exactly the opposite, he reaches office in $(t + 0.5)$ hours. If the speeds of the train and the car are 50 km/h and 40 km/h, respectively, find the distance he travels to reach his office.

A. 120 km



B. 80 km

C. 100 km

D. 140 km

Q15 Mathematics

It takes 15 hours for a boat to reach its destination and return to its initial place, if the river has no flow. For the same journey it requires 16 hours if the river is flowing. The difference between speeds of boat and river is 15 km/hr. Find the speed of the flow of the river.

A. 4 km/hr

B. 10 km/hr

C. 6 km/hr

D. 5 km/hr

**Q16 Mathematics**

Inlet Pipe A can fill a cistern in 32 hours, whereas outlet Pipe B can drain the filled cistern in 40 hours. The two pipes are opened together when the cistern is empty, but the outlet pipe is closed when the cistern is three-quarters full. How many hours will it take in all to fill the cistern?

A. 62

B. 128



C. 120

D. 80



Q17 Mathematics

The ratio of the present ages of X and Y is 3 : 4. Five years ago, the ratio of their ages was 5 : 7. What is the present age of Y?

A. 30 years

B. 40 years



C. 50 years

D. 60 years

Q18 Mathematics

Two pipes fill a tank when working individually in 5 and 8 hours, respectively while a third pipe can drain the filled tank in 3.2 hours. If all the three pipes are turned on at the same time when the tank is empty, how long will it take to fill the tank completely?

A. 3 days 8 hours



B. 9 hours 48 mins

C. 6 hours 12 mins

D. 3 days 3 hours 36 mins

Q19 Mathematics

Two valves X and Y can separately fill a tank in 20 hours and 30 hours, respectively. Both the valves are opened to fill the tank, but when the tank is one-third full the valve is closed. A leak develops in the tank through which one-third of the water supplied by both the valves leaks out. The leak is immediately closed and the two valves are again opened. What is the total time taken to fill the tank?

A. 16 hours

B. 14 hours

C. 12 hours

D. 10 hours

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q20 Mathematics

What is the measure of the smaller of the two angles formed between the hour hand and the minute hand of a clock when it is 6:51 p.m.?

A. 101°

B. 100°

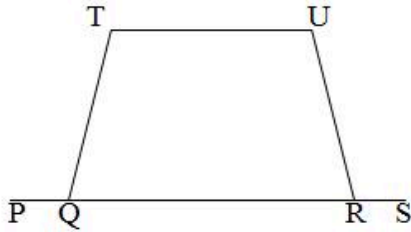
C. 100.5°



D. 101.5°



Q21 Mathematics



दिए गए आरेख में, $TU \parallel PS$ है और बिंदु Q और R, PS पर स्थित हैं। साथ ही, $\angle PQT = x^\circ$, $\angle RQT = (x - 50)^\circ$ तथा $\angle TUR = (x + 25)^\circ$ हैं। $\angle URS$ की माप क्या है?

A. 115°

B. 140°

C. 135°

D. 130°

Q22 Mathematics

The sum of two numbers is 9. The sum of their reciprocals is $\frac{1}{2}$. One of the numbers is:

A. 6

B. 4

C. 5

D. 2

Q23 Mathematics

If $\sin \theta - \cos \theta = 0$, then the value of $\sin^4 \theta + \cos^4 \theta + \tan^2 \theta$ is:

A. 2

B. $\frac{7}{4}$

C. $\frac{3}{2}$

D. $\frac{5}{4}$



Q24 Mathematics

If $\cot^4\theta + \cot^2\theta = 3.6$, then $\operatorname{cosec}^4\theta - \operatorname{cosec}^2\theta = ?$

- A. 0.6
- B. 1.8
- C. 2.4
- D. 3.6



Q25 Mathematics

Find the ratio in which line $3x + 2y = 17$ divides the line segment joined by points $(2, 5)$ and $(5, 2)$.

- A. 1 : 2
- B. 2 : 5
- C. 3 : 4
- D. 1 : 3



General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

Choose the person who does NOT belong to the group.

- A. Vikram Sarabhai
- B. Arvind Kejriwal
- C. Lalu Prasad Yadav
- D. Indira Gandhi



Q27 General Intelligence and Reasoning

Lock is related to door in the same way as password is related to ____

9

- A. Computer
- B. Verify
- C. Gate
- D. Wildcard letters



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Q28 General Intelligence and Reasoning

X shows a picture to his friend Z and says, "This is my wife's daughter's husband's son." The person in the picture is X's _____

- A. Uncle
- B. Granddaughter
- C. Grandson
- D. Father-in-law



Q29 General Intelligence and Reasoning

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statement:

- All liquids are clear.
- All clear are chemicals.

Conclusions:

1. Some chemicals are liquids.
2. Some clear are liquids.

- A. Only conclusion 2 follows.
- B. All the conclusions follow.
- c. Only conclusion 1 follows.
- D. No conclusion follows.



Q30 General Intelligence and Reasoning

Read the given statements and the following conclusions carefully and select which of the conclusions logically follow(s) from the statements.

Statements:

- Some scooters are vehicles.
- All vehicles are fast.

Conclusions:

1. Some scooters are fast.
2. All fast are vehicles.

- A. Only conclusion 2 follows.
- B. All the conclusions follow.
- C. Only conclusion 1 follows. ☒
- D. No conclusions follow.

Q31 General Intelligence and Reasoning

If AGE is coded as EKI, then how will PACE be coded?

- A. TBGI
- B. TEGI ☒
- C. TDGI
- D. TFGI



Q32 General Intelligence and Reasoning HINDI - no English version saved

दिये हुए कथन को सत्य मानिए भले ही वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत हो और उसके आधार पर निर्णय कीजिए कि दिए गए निष्कर्षों में से कौन से निष्कर्ष तर्कसंगत रूप से कथन का अनुसरण करते हैं।

कथन:

सुंदरता, देखने वाले की आंखों में होती है।

निष्कर्ष:

- I. कुछ लोगों को कुछ लोग सुंदर दिखते हैं।
- II. कुछ लोगों को कुछ लोग सुंदर नहीं दिखते हैं।

- A. केवल निष्कर्ष I अनुसरण करता है।
- B. केवल निष्कर्ष II अनुसरण करता है।
- C. दोनों निष्कर्ष I और II अनुसरण नहीं करते हैं।
- D. दोनों निष्कर्ष I और II अनुसरण करते हैं।



Q33 General Intelligence and Reasoning

Given is a statement followed by two assumptions numbered I and II. Consider the statement and the following assumptions and decide which of the assumptions is/are implicit in the statement.

Statement:

There are many great people who have sacrificed their lives for bringing freedom to our country.

Assumptions:

- I. One has to die to bring freedom.
- II. We live and die once.

- A. Only assumption I is implicit.
- B. Only assumption II is implicit.
- C. Neither assumption I nor II is implicit.
- D. Both assumptions I and II are implicit.



Q34 General Intelligence and Reasoning HINDI - no English version saved

दिए गए कथनों पर विचार करें और निर्णय लें कि निम्नलिखित अवधारणाओं में से कौन सी कथन में अंतर्निहित है।

कथन:

आजकल लोग जानते हैं कि मंत्रों का जप करने से तनाव और चिंता से छुटकारा मिलता है।

अवधारणा:

- I. तनाव और चिंता आधुनिक युग के खतरे हैं जिनका सामना अधिकतर लोग करते हैं।
- II. लोग वैकल्पिक चिकित्सा की तलाश में हैं।

A. केवल I अंतर्निहित है।

B. केवल II अंतर्निहित है।



C. न तो I और न ही II अंतर्निहित है

D. I और II दोनों ही अंतर्निहित हैं

Q35 General Intelligence and Reasoning HINDI - no English version saved

दिए गए कथनों और निष्कर्षों को ध्यान से पढ़ें और उस निष्कर्ष का चयन करें जो कथन का तर्कसंगत रूप से अनुसरण करता है।

कथन:

सभी जीवों में, पेंगुइन सबसे मित्रतापूर्ण हैं।

निष्कर्ष:

- I. अन्य कोई जीव मित्रतापूर्ण नहीं है।
- II. पेंगुइन को मनुष्य द्वारा बहुत पसंद किया जाता है।

A. केवल निष्कर्ष I अनुसरण करता है।

B. केवल निष्कर्ष II अनुसरण करता है।

C. दोनों निष्कर्ष अनुसरण करते हैं।

D. न तो I न ही II अनुसरण करता है।



Q36 General Intelligence and Reasoning

Find the next letter in the following series.

S, A, H, N, S, ?

A. Y

B. T

C. Q

D. W



Q37 General Intelligence and Reasoning

Find the next term in the following series.

4, B, 6, C, 5, D, 7, E, ?

A. 10

B. 12

C. 9

D. 6



Q38 General Intelligence and Reasoning

Find the next term in this series.

2R, 9U, 16X, _____.

A. 20A

B. 22B

C. 23A

D. 23B



Q39 General Intelligence and Reasoning

Based on the arithmetic reasoning, find the number that is different from other options in the given list of numbers.

A. 369

B. 462

C. 427

D. 571



Q40 General Intelligence and Reasoning

The following is the price of Cabbage over 12 months. What is the median price?



A. 40

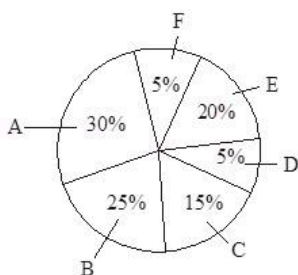
B. 50

C. 55

D. 60

Q41 General Intelligence and Reasoning

The given pie chart shows information about Non-Performing Assets (NPA) processed by the various banks of India till December 2017.



If the total NPAs under all the banks are worth ₹ 300 lakh crores, then NPAs worth how much (in ₹ lakh crores) does Bank 'D' contain till December 2017?

A. 5

B. 10

C. 15

D. 20



Q42 General Intelligence and Reasoning

A small scale soap business has the following expenses: 10% on marketing, 65% on employees' salary and 25% on raw materials.

If the business pays a total salary of ₹ 65,000, then what is its marketing expense?

- A. ₹ 20,000
- B. ₹ 40,000
- C. ₹ 25,000
- D. ₹ 10,000



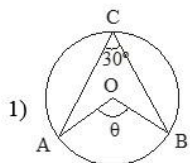
Q43 General Intelligence and Reasoning

Read the given question and decide which of the following information is sufficient to answer the question.

Question:

What is the value of θ ?

Information:



1)

2) $0 < \theta < 90^\circ$

- A. Only 1 is sufficient.
- B. Only 2 is sufficient.
- C. Either 1 or 2 is sufficient.
- D. Neither 1 nor 2 is sufficient.



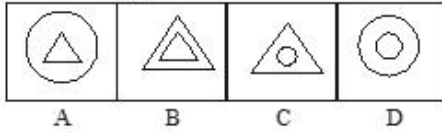
Q44 General Intelligence and Reasoning

Which answer figure will come next in the given problem figure series?

Problem figures:



Answer figures:



A. A

B. B

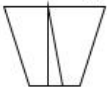
C. C

D. D

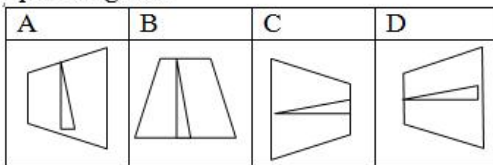
Q45 General Intelligence and Reasoning

Which of the option figures bears the closest resemblance to the question figure?

Question Figure:



Option Figures:



A. A

B. B

C. C

D. D



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Q46 General Intelligence and Reasoning

Select the pattern from the below given that resembles closest to:



A	B	C	D

A. A

B. B

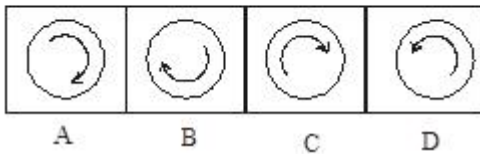
C. C

D. D



Q47 General Intelligence and Reasoning

Find the odd one out.



A

B

C

D

A. A

B. B

C. C

D. D



Q48 General Intelligence and Reasoning

Which of the following does NOT belong to this group:

A	B	C	D
E1	J2	O3	T5

A. A

B. B

C. D



D. C

Q49 General Intelligence and Reasoning

Select the option that can replace the question mark (?) in the following series.

<table><tr><td>TM</td><td>Ω</td></tr><tr><td>⊥</td><td>*⊥</td></tr></table>	TM	Ω	⊥	*⊥	<table><tr><td>⊥</td><td>⊕T</td></tr><tr><td>*⊥*</td><td>Ω</td></tr></table>	⊥	⊕T	*⊥*	Ω	<table><tr><td>*⊥*</td><td>⊥⊥</td></tr><tr><td>Ω</td><td>TM</td></tr></table>	*⊥*	⊥⊥	Ω	TM	?
TM	Ω														
⊥	*⊥														
⊥	⊕T														
⊥	Ω														
⊥	⊥⊥														
Ω	TM														

<table><tr><td>$\perp$</td><td>Ω</td></tr><tr><td>$\oplus TM$</td><td>$*\perp*$</td></tr></table>	$\perp$	Ω	$\oplus TM$	$*\perp*$	A	<table><tr><td>$*\perp*$</td><td>Ω</td></tr><tr><td>$\oplus TM$</td><td>$\perp$</td></tr></table>	$*\perp*$	Ω	$\oplus TM$	$\perp$	B
$\perp$	Ω										
$\oplus TM$	$*\perp*$										
$*\perp*$	Ω										
$\oplus TM$	$\perp$										
<table><tr><td>Ω</td><td>$*\perp*$</td></tr><tr><td>$\oplus TM$</td><td>$\perp\perp$</td></tr></table>	Ω	$*\perp*$	$\oplus TM$	$\perp\perp$	C	<table><tr><td>Ω</td><td>$*\perp$</td></tr><tr><td>$\oplus TM$</td><td>$\perp$</td></tr></table>	Ω	$*\perp$	$\oplus TM$	$\perp$	D
Ω	$*\perp*$										
$\oplus TM$	$\perp\perp$										
Ω	$*\perp$										
$\oplus TM$	$\perp$										

A. A

B. B

C. C

D. D



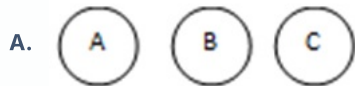
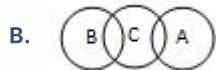
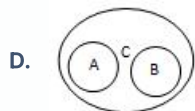
Q50 General Intelligence and Reasoning

Which of the following correctly represents the relationship between

A) Button

B) Pen

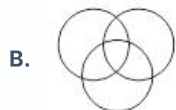
C) Shirt ?



Q51 General Intelligence and Reasoning

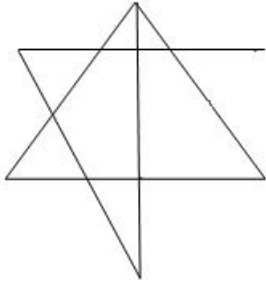
Choose the most suitable Venn diagram for the following words.

TV, Camera, Train



Q52 General Intelligence and Reasoning

How many triangles are there in the following figure?



A. 8

B. 7

C. 6

D. 11



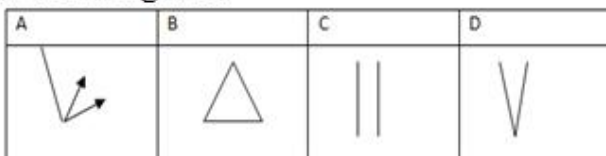
Q53 General Intelligence and Reasoning

Which of the answer figures will come next in following problem figure series?

Problem figure:



Answer figures:



A. A

B. B

C. C

D. D



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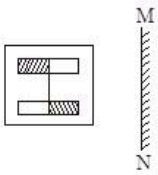
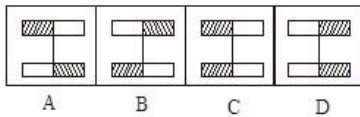
Q54 General Intelligence and Reasoning

Sunil and Manohar are playing carrom. If Sunil faces towards North-East, then his opponent Manohar faces in which direction?

- A. South-East
- B. South-West
- C. North-West
- D. North-East

Q55 General Intelligence and Reasoning

Choose the mirror image for the following figure when the mirror is kept at the MN line.



- A. A
- B. B
- C. C
- D. D

General Science

25 Questions • Answer Key

Q56 General Science

How many moles of Sulphuric acid are present in 25 gms?

- A. 0.025
- B. 0.255
- C. 255
- D. 25



Q57 General Science

After explosion of a shell, many pieces fly off in different directions. In such a case, what is conserved?

- A. Potential energy
- B. Work
- C. Momentum
- D. Force



Q58 General Science

The force that a neutron exerts on a proton inside an atom is:

- A. Nuclear force
- B. Gravitational force
- C. Tidal force
- D. Electrostatic force



Q59 General Science

Sodium hydroxide reacts with _____ to form a solution of table salt.

- A. Carbon dioxide gas
- B. Hydrochloric acid
- C. Oxygen gas
- D. Sodium chloride solution



Q60 General Science

9800 joule of energy was spent to raise a mass of 70 kg. The mass was raised to a height of:

- A. - 14 m
- B. 14 m
- C. - 140 m
- D. 140 m



Q61 General Science

_____ is the rate of doing work.

- A. Energy
- B. Force
- C. Velocity
- D. Power



Q62 General Science

A body rolling down on a hill has:

- A. Potential energy only
- B. Kinetic energy only
- C. Both kinetic energy and potential energy
- D. Only friction force



Q63 General Science

Which of the following elements having the given atomic numbers have their chemical properties resembling magnesium?

- A. 4
- B. 11
- C. 13
- D. 19



Q64 General Science

Baking powder is a mixture of _____ and _____.

- A. Sodium hydrogen carbonate, Sulphuric acid
- B. Sodium hydrogen carbonate, Tartaric acid
- C. Sodium carbonate, Tartaric acid
- D. Sodium hydrogen carbonate, Malic acid



Q65 General Science

The suffix attached to a hydrocarbon chain ending with a ketone is ____

A. -one



B. -ol

C. -oic

D. -al

Q66 General Science

Group _____ contain non-reactive gases.

A. 17

B. 18



C. 1

D. 7

Q67 General Science

The valency of chlorine with respect to oxygen is ____.

A. 5

B. 7



C. 2

D. 4

Q68 General Science

The element with atomic number 57 belongs to:

A. d-block



B. s-block

C. p-block

D. f-block



Q69 General Science

The angle between displacement and force applied when no work is done is _____.

A. 90°



B. 0°

C. 45°

D. 120°

Q70 General Science

Weight of an object on the moon = (_____ $\times$ its weight on Earth)

A. $\frac{1}{5}$

B. 6

C. 5

D. $\frac{1}{6}$



Q71 General Science

A particle in the medium completes 40 vibrations in 2.5 s. The frequency of the wave is _____.

A. 8 Hz

B. 16 Hz



C. 25 Hz

D. 50 Hz

Q72 General Science

A shell of mass 0.04 kg is fired by a gun of mass 120 kg. If the muzzle speed of the shell is 90 m/s, what is the recoil speed of the gun?

A. $3 \times 10^{-2} \text{ m/s}$



B. 0.3 m/s

C. $3 \times 10^2 \text{ m/s}$

D. $3 \times 10^{-3} \text{ m/s}$



Q73 General Science

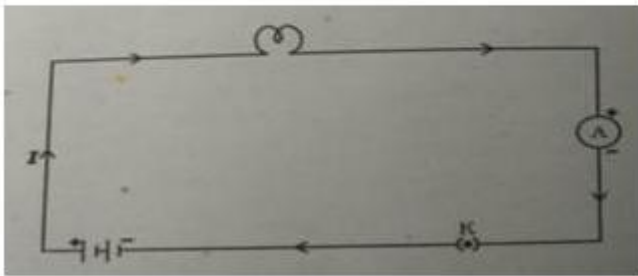
Waves produced at the bottom of the sea due to an explosion are _____.

- A. Transverse
- B. Stationary
- C. Longitudinal
- D. Both, transverse and longitudinal



Q74 General Science

The flow of _____ is anti-clockwise in the given circuit



- A. Electrons
- B. Current
- C. Voltage
- D. Resistance



Q75 General Science

_____ element has the largest atom and _____ Smallest atom.

- A. Li, O
- B. H, O
- C. Li, H
- D. O, F

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).



Q76 General Science

Male germ cells are produced in the _____.

- A. Testes
- B. Scrotum
- C. Vas deferens
- D. Prostrate

Q77 General Science

The _____ cells are loosely packed so that large intercellular spaces are found.

- A. collenchyma
- B. parenchyma
- C. sclerenchyma
- D. phloem

Q78 General Science

The hormone produced in plants due to which the stem bends towards sunlight is _____.

- A. Giberrellins
- B. Auxins
- C. Cytokinins
- D. Ascorbic acid

Q79 General Science

In a dihybrid cross of round green and wrinkled yellow seeds, out of 556 seeds, _____ seeds are round and yellow.

- A. 108
- B. 32
- C. 315
- D. 101



Q80 General Science

A chemical “_____” is present in the cork cells to make them impervious to gases and water.

- A. Suberin
- B. Chitin
- C. Cutin
- D. Safranin

General Awareness and Current Affairs

20 Questions • Answer Key

Q81 General Awareness and Current Affairs

The 14th Hockey World Cup will be held in which part of India in 2018?

- A. Patna
- B. Bhubaneswar
- C. Jhansi
- D. Mumbai

Q82 General Awareness and Current Affairs

Who among the following was the first Indian bowler to record a five-wicket haul in T20 in the history of Indian Cricket?

- A. Ravindra Jadeja
- B. R. Ashwin
- C. Ishant Sharma
- D. Yuzvendra Chahal

Q83 General Awareness and Current Affairs

Which of the following companies is the official partner for the Hockey Men's World Cup 2018?

- A. Gujarat Mining Corporation
- B. Maharashtra Mining Corporation
- C. Odisha Mining Corporation
- D. West Bengal Mining Corporation



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Q84 General Awareness and Current Affairs

Which of the following awards has 'The English Patient' won?

- A. The Pulitzer Prize
- B. The Warwick Prize for Writing
- C. International Rubery Book Award
- D. The Golden Man Booker Prize



Q85 General Awareness and Current Affairs HINDI - no English version saved

किस भारतीय को पहली बार मिस ट्रांसक्वीन इंडिया 2017 का ताज पहनाया गया?

- A. लोईलोई
- B. रागसिया
- C. नीताशा बिस्वास
- D. लायतीसिया रवीना



Q86 General Awareness and Current Affairs

Who is the current Minister of Culture?

- A. Manohar Parrikar
- B. Mahesh Sharma
- C. Ravi Shankar Prasad
- D. Harshvardhan



Q87 General Awareness and Current Affairs

Who has been re-elected as the International Cricket Council (ICC) Chairman?

- A. Srinivasan
- B. Shashank Manohar
- C. Rajeev Shukla
- D. Anurag Thakur



Q88 General Awareness and Current Affairs

Which Indian personality was honored with the 2017 Carnegie Medal of Philanthropy?

A. Azim Premji



B. Ness Wadia

C. Anil Ambani

D. Ratan Tata

Q89 General Awareness and Current Affairs

Who won the 13th edition of National 'A' Chess Championship for the Visually Challenged 2018?

A. Kishan Gangolli



B. Ashvin Makwana

C. Soundarya Kumar Pradhan

D. Charudatta Jadhav

Q90 General Awareness and Current Affairs

The host city for the 8th annual Global Entrepreneurship Summit (GES-2017) was:

A. Bengaluru

B. Chennai

C. Hyderabad



D. Mysore

Q91 General Awareness and Current Affairs

Which city hosted 'AROGYA 2017', the first international exhibition and conference on AYUSH and Wellness sector?

A. Rishikesh

B. Udaipur

C. Noida

D. New Delhi



Q92 General Awareness and Current Affairs

Conrad Sangma has been sworn-in as the 12th Chief Minister of Meghalaya. Which Lok Sabha constituency does he belong to?

- A. Rajabala
- B. Jowai
- C. Tura
- D. Mairang



Q93 General Awareness and Current Affairs

As of August 2018, who is the defence minister of India?

- A. Rajnath Singh
- B. Nirmala Sitharaman
- C. Sushma Swaraj
- D. Nitin Gadkari



Q94 General Awareness and Current Affairs HINDI - no English version saved

विंध्याशक्ति _____ वंश के संस्थापक थे?

- A. काकतीय
- B. चोल
- C. पांडव
- D. वाकाटक



Q95 General Awareness and Current Affairs

Which of the following kings built the Konark Sun temple?

- A. Mahamegha Vahana
- B. Vakradeva
- C. Narasimhadeva I
- D. Kudepasiri



Q96 General Awareness and Current Affairs

The Jayakwadi (Stage-I) Hydroelectric Project is on which river?

- A. Godavari
- B. Ganga
- C. Kaveri
- D. Indus



Q97 General Awareness and Current Affairs

Which of the following rivers flows across Tibet and is known as Yarlung Tsangpo River?

- A. Ganga
- B. Brahmaputra
- C. Sutlej
- D. Beas



Q98 General Awareness and Current Affairs

Bangalore Metro Rail Corporation Limited (BMRCL) has signed an MoU with which company for the construction of a station at Konappana Agrahara?

- A. Google
- B. WIPRO
- C. Infosys
- D. Yahoo



Q99 General Awareness and Current Affairs

Which organisation is entering into a joint venture with Spain's Congelados De Navarra to set up a food processing plant at Ludhiana in Punjab with an investment of ₹ 325 crore?

- A. NABARD
- B. SBI
- C. NALCO
- D. IFFCO



What does the Mangalyaan on the reverse of the Indian ₹ 2,000 banknote depict?

- A. Indian economic development
- B. Indian spacecraft power
- C. Technological development of India
- D. India's first venture in interplanetary space



Mathematics

25 Questions • Answer Key

Q1 Mathematics

$$4 + 4.44 + 44.4 + 4.04 + 444 - 20 = ?$$

A. 472.88

B. 495.22

C. 480.88



D. 577.2

Q2 Mathematics

A car covers a distance of 44 km using $2\frac{3}{4}$ litres of petrol. What distance can the car cover using 1 litre of petrol?

A. 16 km



B. 14 km

C. 15 km

D. 13 km

Q3 Mathematics

$$(136 \div 17) + (17 \times 13) - (103 - 85) \times (62 + 145) \div 23 = ?$$

A. 76

B. 75

C. 67



D. 59

Q4 Mathematics

When the following decimals are arranged in ascending order then what decimal number should be in the middle?

5.74, 6.03, 0.8, 0.658 and 7.2

A. 5.74



B. 0.8

C. 6.03

D. 7.2



Q5 Mathematics

Which of the following numbers will have an irrational square root?

A. 3025

B. 6025



C. 9025

D. 11025

Q6 Mathematics

The value of $\{(.98)^3 + (0.02)^3 + 3 \times 0.98 \times 0.02 - 1\}$

A. 0



B. 1.562

C. 1.09

D. 1.98

Q7 Mathematics

$22 - [23 - \{24 - (27 - \overline{25 - 30})\}] = ?$

A. -9



B. -7

C. -8

D. 7

Q8 Mathematics

The digit in the units place of the number represented by $(7^{95} - 3^{58})$ is:

A. 0

B. 4



C. 6

D. 7



Q9 Mathematics

If ₹ 686 is divided, into four parts, in proportions $\frac{1}{2} : \frac{2}{3} : 3 : 4$, then the first part is?

A. ₹ 42



B. ₹ 48

C. ₹ 52

D. ₹ 56

Q10 Mathematics

The ratio 75 : 125 in its simplest form is written as:

A. 3 : 5



B. 3 : 2

C. 5 : 3

D. 2 : 3

Q11 Mathematics

Find compound interest on ₹ 50000 at 12% per annum for 6 months, compounded quarterly.

A. ₹ 2875

B. ₹ 2965

C. ₹ 3045



D. ₹ 3125

Q12 Mathematics

A merchant incurred a loss of 5% by selling a book for ₹ 25.65. If he sells it for ₹ 31.05, find his gain percent or loss percent.

A. Gain 10%

B. Gain 15%



C. Loss 15%

D. Loss 10%



Q13 Mathematics

In what time can Saloni cover a distance of 450 m, if she runs at a speed of 20Km/hr. ?

- A. 81 sec
- B. 320 sec
- C. 102 sec
- D. 3 minutes



Q14 Mathematics

A train crossed a 110 m long platform in 13.5 seconds and a 205 m long platform in 18.25 seconds. What was the speed of the train?

- A. 66 km/h
- B. 69 km/h
- C. 72 km/h
- D. 75 km/h



Q15 Mathematics

If 15 boys earn ₹ 750 in 5 days, then how much money 25 boys will earn in 6 days?

- A. 1200
- B. 1500
- C. 900
- D. 960



Q16 Mathematics

The lengths of one side of a rhombus and one of the two diagonals are 6 cm each. The area of the rhombus (in cm^2) is:

- A. 18
- B. $18\sqrt{3}$
- C. $9\sqrt{3}$
- D. $27\sqrt{3}$



Q17 Mathematics

A cistern can be filled by two pipes A and B in 4 hours and 6 hours respectively. When full, the tank can emptied by a third pipe C in 8 hours. If all taps are turned on at the same time, the cistern will be full in?

A. $\frac{16}{7}$ hours

B. $\frac{24}{7}$ hours



C. $\frac{31}{7}$ hours

D. $\frac{40}{7}$ hours

Q18 Mathematics

If P is 15 years now and Q will be 26 years old after 6 years, what is the ratio of their present ages?

A. 2 : 1

B. 3 : 4



C. 4 : 1

D. 2 : 3

Q19 Mathematics

Find the day name of 24 March 2006?

A. Monday

B. Friday



C. Sunday

D. Wednesday

Q20 Mathematics

If the length and breadth of a rectangle are increased by 8% and 12% respectively, then by what percent does the area of that rectangle increase?

A. 20%

B. 20.96%



C. 22%

D. 24%



Q21 Mathematics

There are four numbers in a set. The mean of the three smallest numbers is 9, whereas the mean of the three largest ones is 11. What is the range of the data set?

A. 9

B. 6

C. 5

D. 3

Q22 Mathematics

If $a+b+c=2s$, then $[(s-a)^2 + (s-b)^2 + (s-c)^2 + s^2] = ?$

A. $(s^2 - a^2 - b^2 - c^2)$ B. $(a^2 + b^2 + c^2)$ C. $(s^2 + a^2 + b^2 + c^2)$ D. $(4s^2 - a^2 - b^2 - c^2)$ **Q23 Mathematics**

If α and β are roots of the equation $x^2 - x - 1 = 0$, then the equation where roots are $\frac{\alpha}{\beta}$ and $\frac{\beta}{\alpha}$ is:

A. $x^2 + 3x - 1 = 0$ B. $x^2 + 3x + 1 = 0$ C. $x^2 + x - 1 = 0$ D. $x^2 - x + 1 = 0$ **Q24 Mathematics**

In a class there were 9 boys and some girls. In a test, the mean score obtained by the boys was 13 while that obtained by the girls was 15. If the overall average was 14.28, what was the total number of students in the class?

A. 24

B. 25

C. 26

D. 27



Q25 Mathematics

$$\sin^2 60^\circ + \cos^2 30^\circ + \cot^2 45^\circ + \sec^2 60^\circ = ?$$

- A. $\frac{5}{2}$
- B. $\frac{7}{2}$
- C. $\frac{13}{2}$
- D. $\frac{15}{2}$



General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

Mamata is the mother of Surya. How is Mamata's brother related to Surya's brother?

- A. Maternal uncle
- B. Father
- C. Grandfather
- D. Brother



Q27 General Intelligence and Reasoning

Select the option that is related to the third word on the same basis as the second word is related to the first word.

Glass : transparent :: Wood :

- A. Block
- B. Opaque
- C. Paint
- D. Furniture



Q28 General Intelligence and Reasoning

Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statements:

- No glass is a paddle.
- All paddles are brakes.

Conclusions:

1. All brakes are paddles.
2. Some brakes are paddles.
3. No brake is glass.

A. Only conclusion 2 follows



B. All the three conclusions follow

C. Only conclusion 1 follows

D. Only conclusion 3 follows

Q29 General Intelligence and Reasoning

Consider the given statements to be true even if they seem to be at variance with the commonly known facts and decide which of the given conclusions logically follow(s) from the statements.

Statements:

- All covers are plastic.
- All plastic are toxic.

Conclusions:

1. All plastic are covers.
2. All toxic are covers.

A. Only conclusion 2 follows.

B. All the conclusions follow.

C. Only conclusion 1 follows.

D. No conclusions follow.



Q30 General Intelligence and Reasoning

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statement:

- Some pins are metals.
- Some clips are metals.

Conclusions:

1. Some metals are pins.
2. Some pins are clips.

- A. Only conclusion 2 follows.
- B. Both conclusions follow.
- C. Only conclusion 1 follows. ✓
- D. Neither conclusion follows.

Q31 General Intelligence and Reasoning

If in a coded language, COCK is written as DPDL, then how will HEN be written in that language?

- A. ICO
- B. HEO
- C. IFO ✓
- D. IDP



Q32 General Intelligence and Reasoning

Given is a statement followed by two arguments numbered I and II. Consider the statement and the following arguments and decide which of the arguments is/are strong?

Statement:

Are 21st century teenagers under stress?

Arguments:

- I. Yes, teenagers' perception is that they are expected to be successful or good at *everything*. Failure has somehow gone from being viewed as a learning opportunity to being clearly unacceptable.
- II. No, stress is a relative perception that can be managed with proper guidance.

- A. Only argument I is strong.
- B. Only argument II is strong.
- C. Neither argument I nor II is strong.
- D. Both arguments I and II are strong. ☒

Q33 General Intelligence and Reasoning

Given is a statement followed by two assumptions numbered I and II. Consider the statement and the following assumptions and decide which of the assumptions is/are implicit in the statement.

Statement:

Sustainability can be defined as the practice of meeting the needs of the current generation without degrading or destroying the natural resources (e.g. water, soil, biodiversity, oil, minerals).

Assumptions:

- I. Our lives and economies are dependent on natural capital, which is made up of these natural resources and natural services, and the energy provided by the sun.
- II. Just as every investor knows, we should invest our capital and live off on the interest, or income, it provides. To live sustainably, we need to do the same: protect our natural capital and live off our biological income.

- A. Only assumption I is implicit. ☒
- B. Only assumption II is implicit.
- C. Neither assumption I nor II is implicit.
- D. Both assumptions I and II are implicit.



Q34 General Intelligence and Reasoning

Consider the given statement and decide which of the following assumptions is/are implicit in the statement.

Statement:

“The final exams are getting near”, Rina reminded her daughters.

Assumptions:

- I. She wants them to remember about their study schedule.
- II. She wants them to give serious thought to their exams.

- A. Only I is implicit.
- B. Only II is implicit.
- C. Neither I nor II is implicit.
- D. Both I and II are implicit.



Q35 General Intelligence and Reasoning

Consider the following statement and assumptions and decide which of the assumptions is implicit from the given statement.

Statement:

The school management has introduced compulsory swimming sessions for children below Class V.

Assumptions:

- I. Younger children learn swimming faster.
- II. The school wishes to enhance the overall development of children.

- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Neither assumption I nor II is implicit
- D. Both assumptions I and II are implicit



Q36 General Intelligence and Reasoning

Find the next number in the following series.

16, 18, 22, 24, 28, 30, ?

A. 27

B. 25

C. 34



D. 30

Q37 General Intelligence and Reasoning

If '+' means '÷', '÷' means '-', '-' means '×' and '×' means '+', then what is the value of $80 + 20 \div 5 - 12 \times 92$?

A. 36



B. 35

C. 28

D. 22

Q38 General Intelligence and Reasoning

If '+' becomes '÷' and '×' becomes '+' then what will be the value of $\{(36 + 6) + 6\} \times 12$?

A. 12

B. 21

C. 6

D. 13



Q39 General Intelligence and Reasoning

Choose the missing digit 'x' from the options given for the number $987x54$, so that the number is completely divisible by 6.

A. 1

B. 2

C. 5

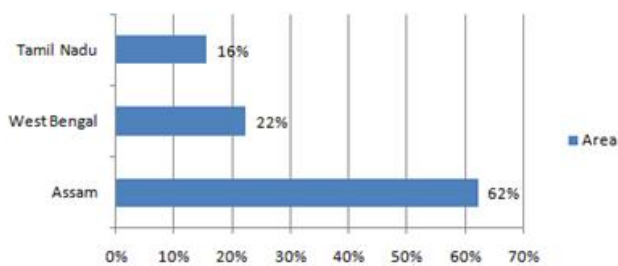
D. 3



Q40 General Intelligence and Reasoning

Study the following graph carefully and answer the question that follows.

Total Area of Tea Cultivation of three states



Area cultivated in West Bengal is what percentage more than that cultivated in Tamil Nadu?

A. 6%



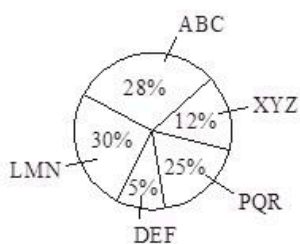
B. 4%

C. 8%

D. 3%

Q41 General Intelligence and Reasoning

The given pie chart shows information about the mobile phone manufacturing companies in India. The total number of mobile phone units manufactured is 12,40,000.



How many units of mobile phones are manufactured by company 'DEF'?

A. 15,600

B. 31,000

C. 62,000



D. 1,24,000



Q42 General Intelligence and Reasoning

Lata makes 20 kg paneer at home and sells it every morning. From one litre of milk, she makes 200 gms of panner. The cost of a litre of milk is ₹ 40. How much money does she spend in procuring milk every day?

- A. ₹ 2,000
- B. ₹ 3,000
- C. ₹ 2,500
- D. ₹ 4,000

**Q43** General Intelligence and Reasoning

Read the given question and decide which of the following equations is/are sufficient to answer the question.

Question:

What is the value of x?

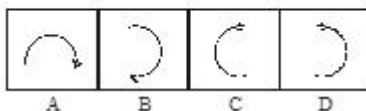
Equations:

- 1) $x^2 - 18x + 81 = 0$
- 2) $p + q + r = 0$

- A. Only 1 is sufficient.
- B. Only 2 is sufficient.
- C. Either 1 or 2 is sufficient.
- D. Neither 1 nor 2 is sufficient.

**Q44** General Intelligence and Reasoning

Find the odd one out.



- A. A
- B. B
- C. C
- D. D



Q45 General Intelligence and Reasoning

Which of the following does NOT belong to this group:

- A. Nail
- B. Hair
- C. Acne
- D. Toe

A. A

B. B

C. C



D. D

Q46 General Intelligence and Reasoning

Which of the following does NOT belong to this group?

- A. Cotton
- B. Wool
- C. Rayon
- D. Cardboard

A. A

B. B

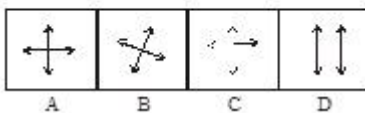
C. C

D. D



Q47 General Intelligence and Reasoning

Find the odd one out.



A. A

B. B

C. C

D. D



Q48 General Intelligence and Reasoning

Which of the following option figures are combined to form the question figure?

Question Figure



Option Figures

A	B	C	D
			

A. B , C and D

B. C, D and A



c. A and D

D. C and D

Q49 General Intelligence and Reasoning

Which of the option figures bears the closest resemblance to the question figure?

Question figure:



Option figures:

A	B	C	D
			

A. A

B. B

C. C

D. D



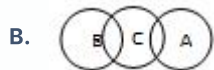
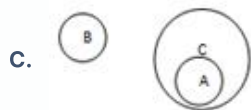
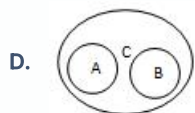
Q50 General Intelligence and Reasoning

Which of the following Venn diagrams correctly represents the relationship between the given classes?

A) Table

B) Cloth

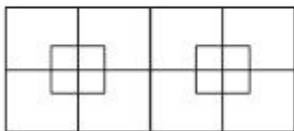
C) Wood



Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q51 General Intelligence and Reasoning

Find the number of squares in the following figure.



A. 20

B. 21

C. 22

D. 23

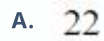


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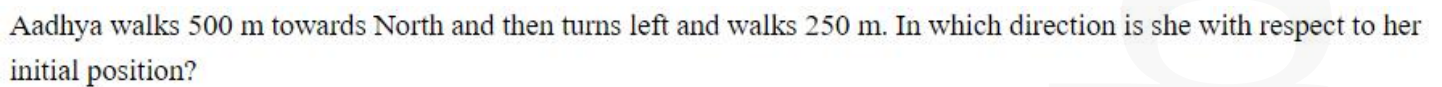
How many rectangles are there in the following picture?



B. 21

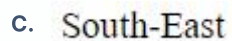
c. 20

D. 24



A. North-East

B. North-West



D. South-West

If North-East becomes North, then what will East become?

A. South-East

B. South-West

c. North-East



D. North-West

Q55 General Intelligence and Reasoning

If South becomes South-East, then what will North become?

- A. North-East
- B. North-West
- C. South-West
- D. South-East



General Science

25 Questions • Answer Key

Q56 General Science

The weight of an object on the moon is how many times its weight on the earth?

- A. $\frac{1}{5}$ times
- B. $\frac{1}{6}$ times
- C. 5 times
- D. 6 times



Q57 General Science

The point where entire weight of an object acts is known as the ____.

- A. centre of mass
- B. centre of pressure
- C. centre of gravity
- D. centre of friction



Q58 General Science

The velocity of vertically thrown ball, with time, will be:

- A. Upwards positive
- B. Downwards positive
- C. Upwards negative
- D. Downwards negative

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).



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Q59 General Science

A ball is dropped from a height of 80 m. The distance travelled by it in the fourth second will be ____.
(take $g=10 \text{ m/s}^2$)

A. 15 m

B. 35 m



C. 50 m

D. 80 m

Q60 General Science

An electric lamp of 120 W is used for 8 hours per day. Calculate the units of energy consumed by the lamp in one day.

A. 0.96 unit



B. 1.50 unit

C. 2.00 unit

D. 16.00 unit

Q61 General Science

A 40 kg girl runs up a flight of stairs having a rise of 5 m in 4 s. The power developed by her will be ____.
(take $g= 10 \text{ m/s}^2$)

A. 100 W

B. 200 W

C. 500 W



D. 2000 W

Q62 General Science

If two unequal masses possess the same kinetic energy, then the heavier mass has:

A. lower speed

B. higher speed

C. greater momentum

D. lesser momentum

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).



Q63 General Science

A ray of light passes from water to glass. It bends:

- A. towards the normal and speeds up
- B. away from the normal and speeds up
- C. towards the normal and slows down ✓
- D. away from the normal and slows down.

Q64 General Science

Sound waves with frequencies below the audible range are called:

- A. ultrasonic
- B. supersonic
- C. infrasonic ✓
- D. ultrasound

Q65 General Science

Electric bulbs are usually filled with chemically-inactive gases like ____.

- A. oxygen
- B. chlorine
- C. nitrogen ✓
- D. hydrogen

Q66 General Science

Two resistors, one of $10\ \Omega$ and the other of $20\ \Omega$, are connected in series to a 6 V battery. The current in the circuit will be ____.

- A. 0.2 A ✓
- B. 0.3 A
- C. 0.6 A
- D. 0.9 A



Q67 General Science

The correct formula of calcium hydroxide is:

- A. CaOH
- B. CaOH_2
- C. Ca(OH)_2 ✓
- D. Ca_2OH

Q68 General Science

The induced current is highest when the direction of motion of the coil is at _____ with respect to the magnetic field.

- A. 180°
- B. 90° ✓
- C. 45°
- D. 0°

Q69 General Science

The pH of the solutions are given. Which of the solutions has the highest concentration of hydrogen ions?

- A. 4.7
- B. 8.0
- C. 2.4 ✓
- D. 10.1

Q70 General Science

A chemical reaction in which heat is generated is called a/an _____.

- A. combustion reaction
- B. endothermic reaction
- C. displacement reaction
- D. exothermic reaction ✓



Q71 General Science

Which of the following compounds does NOT possess water of crystallisation?

- A. Copper sulphate
- B. Washing soda
- C. Baking soda
- D. Gypsum



Q72 General Science

Which of the following is malleable and ductile?

- A. Copper
- B. Carbon
- C. Phosphorus
- D. Sulphur



Q73 General Science

5-8% of acetic acid is called:

- A. glacial acetic acid
- B. ester
- C. ethanol
- D. vinegar



Q74 General Science

In which group of the modern periodic table are halogens placed?

- A. 1st
- B. 16th
- C. 17th
- D. 18th



Q75 General Science

Who classified elements based on atomic numbers?

- A. Dobereiner
- B. Newlands
- C. Mendeleev
- D. Moseley



Q76 General Science

In which of the following plants is the plant body NOT differentiated into roots, stem and leaves?

- A. Spirogyra
- B. Marsilea
- C. Chara
- D. Riccia



Q77 General Science

Which one of the following is NOT a simple permanent tissue?

- A. Parenchyma
- B. Sclerenchyma
- C. Xylem
- D. Collenchyma



Q78 General Science

The breakdown of pyruvate using O_2 takes place in the ____.

- A. nucleus
- B. vacuoles
- C. lysosomes
- D. mitochondria



Q79 General Science

Which of the following hormones brings about changes in appearance seen in boys at the time of puberty?

- A. Insulin
- B. Testosterone
- C. Thyroxin
- D. Animal hormone

Q80 General Science

Which of the following animals reproduces by budding and can also can carry out regeneration?

- A. Planaria
- B. Hydra
- C. Yeast
- D. Plasmodium

General Awareness and Current Affairs

19 Questions • Answer Key

Q81 General Awareness and Current Affairs

Which of the following states emerged as overall champions of the first (inaugural) edition of Khelo India School Games (KISG) held from 31st January to 8th February 2018 at Indira Gandhi Indoor Stadium?

- A. Maharashtra
- B. Haryana
- C. Uttar Pradesh
- D. Gujarat

Q82 General Awareness and Current Affairs

Which of the following nations is the only country to win the ICC Under-19 Cricket World Cup four times?

- A. New Zealand
- B. Australia
- C. India
- D. South Africa



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Q83 General Awareness and Current Affairs

Which of the following sport is Yuzvendra Chahal related to?

- A. Cricket
- B. Hockey
- C. Tennis
- D. Shooting



Q84 General Awareness and Current Affairs

Who won the Filmfare Best Actor in a Leading Role (Male) award 2017?

- A. Shahrukh Khan
- B. Aamir Khan
- C. Ranbir Kapoor
- D. Ranveer Singh



Q85 General Awareness and Current Affairs

Name the book authored by K. R. Meera which raises pertinent questions about the politics of faithfulness and the price of idealism.

- A. Aarachar
- B. The Gospel of Yudas
- C. Gilletin
- D. Nethromeelanam



Q86 General Awareness and Current Affairs

Who was awarded the 2017 Sahitya Academy award for his English novel 'The Black Hill'?

- A. Vikram Seth
- B. Mamang Dai
- C. Chetan Bhagat
- D. Amitav Ghosh



Q87 General Awareness and Current Affairs

Who has been crowned Femina Miss India 2018?

- A. Anukreethy Vas
- B. Meenakshi Chaudhary
- C. Shreya Rao Kamavarapu
- D. Sunaina Kamath



Q88 General Awareness and Current Affairs

The 2018 best tableau award in the republic day parade was given away by Union Defence Minister Nirmala Sitharaman to the state of:

- A. Karnataka
- B. Goa
- C. Gujarat
- D. Maharashtra



Q89 General Awareness and Current Affairs

The Ministry of Women and Child Development had launched a social media campaign to mark _____ on 11 August 2016.

- A. Daughter's Day
- B. Women's Day
- C. Son's Day
- D. Men's Day



Q90 General Awareness and Current Affairs

Which among the following union ministers of India launched the mobile app 'Celebrating Yoga' to connect people through Yoga for scientific healthy living?

- A. Mahesh Sharma
- B. Harsh Vardhan
- C. Smriti Irani
- D. Jagat Prakash Nadda



Q91 General Awareness and Current Affairs

The Election Commission of India (ECI) celebrated 8th National Voters' Day across nation on _____ for enhanced participation of citizens in electoral process.

A. 26th January

B. 25th January



C. 24th January

D. 28th January

Q92 General Awareness and Current Affairs

In March 2018, who released ` 1,000 and ` 10 commemorative coins on the occasion of the Nabakalebara festival at a function held in Puri, Odisha?

A. The Governor of Odisha

B. The President of India



C. The Prime Minister of India

D. The Chief Minister of Odisha

Q93 General Awareness and Current Affairs

From which Indian princely state did Velu Thampi Dalava hail? He is known for revolting against the British.

A. Mysore Kingdom

B. Chola Kingdom

C. Vijayanagaram

D. Travancore



Q94 General Awareness and Current Affairs

In which year was the Battle of Waterloo fought?

A. 1840

B. 1835

C. 1850

D. 1815



Q95 General Awareness and Current Affairs

Karewas, a type of soil/deposit, is found in which Indian state?

- A. Nagaland
- B. Jammu & Kashmir
- C. Rajasthan
- D. West Bengal

Q96 General Awareness and Current Affairs

Which is the longest river of Europe?

- A. Rhine
- B. Danube
- C. Volga
- D. Ural

Q97 General Awareness and Current Affairs

The name of the comprehensive mentorship programme tailored exclusively for Indian startups that are using Machine Learning (ML) and Artificial Intelligence (AI) to build solutions for the pressing problems in the country is:

- A. Launchpad Accelerator India
- B. MLAI Accelerator India
- C. Automation Accelerator India
- D. Modernization Accelerator India

Q98 General Awareness and Current Affairs

Which of the following events is celebrated every year on January 9 to mark the contribution of the overseas Indian community in the development of India?

- A. Pravasi Bharatiya Divas (PBD)
- B. Akhil Bharatiya Divas (ABD)
- C. Unnatiya Bharat Divas (UBD)
- D. Overseas Indian Development Day (OIDD)



The Central Government's initiative aimed at bringing masses within the formal banking system is called:

- A. Jan Bank Yojana
- B. Jan Dhan Yojana
- C. Jan Rupaya Yojana
- D. Jan Aadmi Yojana



Mathematics

25 Questions · Answer Key

Q1 Mathematics

The product of two numbers is 0.646 and one of the numbers is 1.7. What is the other number?

A. 3.8

B. 0.38



C. 38

D. 0.038

Q2 Mathematics

Which of the fractions given below, when added to $\frac{13}{5}$, gives 1?

A. $-\frac{7}{5}$ B. $-\frac{8}{15}$ C. $-\frac{48}{30}$ D. $-\frac{26}{10}$

Q3 Mathematics

The LCM of 112, 72 and 90 is?

A. 2520

B. 5040



C. 7560

D. 3780

Q4 Mathematics

What is the square root of 11881?

A. 109



B. 101

C. 111

D. 119



Q5 Mathematics

If the number $x3208$ is divisible by 3, what can be the face value of x ?

A. 6

B. 5

C. 4

D. 3



Q6 Mathematics

$77 \div [46 - \{66 - (52 - 63 \div 9 \times 3)\}] = ?$

A. 11

B. 5

C. 6

D. 7



Q7 Mathematics

$140 \div [61 - \{36 - (40 - 60 \div 12 \times 6)\}] = ?$

A. 2

B. 4

C. 5

D. 10



Q8 Mathematics

$0.\overline{047619}$, when written as a vulgar fraction, is equal to

A. $\frac{1}{17}$

B. $\frac{1}{19}$

C. $\frac{1}{21}$

D. $\frac{1}{23}$



Q9 Mathematics

In a test Chitra secured 58.5 marks that was also equivalent to obtaining 78% marks. How many marks was the test out of?

A. 80

B. 65

C. 75



D. 85

Q10 Mathematics

Pratyay bought a set of cups for ₹ 195, but then had to sell it later to clear old stocks for ₹ 171.6. What is the percentage of loss that he had to bear?

A. 12



B. 13

C. 14

D. 15

Q11 Mathematics

Pavan sold an item at a loss of 12.5%. If he could have sold it for ₹ 56 more, he would have made a profit of 22.5%. What should be the selling price of the item to make a profit of 25%?

A. ₹ 190

B. ₹ 185

C. ₹ 200



D. ₹ 182

Q12 Mathematics

The initial ratio of sugar and flour in recipe was 17: 28. With 27 kg of the recipe, Sunita added more flour to make the sugar to flour ratio 2: 5. How much flour did Sunita later add?

A. 8.1 kg

B. 8.3 kg

C. 8.5 kg

D. 8.7 kg



Q13 Mathematics

17 trainees can do as much work as 4 experts can do in a day. It takes 12 experts and 9 trainees 5 days to dig a pond. How many trainees will one need alongside 4 experts to dig a similar pool in 15 days?

A. 3



B. 4

C. 5

D. 6

Q14 Mathematics

Mahima started a journey 12 minutes late and as a result had to drive @54 km/hr instead of @ 45 km/hr to reach on time. Find the distance covered during the course of the journey.

A. 54 km



B. 67.5 km

C. 75 km

D. 90 km

Q15 Mathematics

A and B can complete a task together in 15 days, while A alone can complete it in 18.75 days. They start working together but A leaves 12.5 days before the completion of the work. For how many days did A and B work together?

A. 13.75

B. 10

C. 12.5



D. 11.25

Q16 Mathematics

The time duration that would elapse between 12:46 p.m of 15th July 2019 and 12:38 p.m. of 16th July 2020 is

A. 366 days 8 mins

B. 366 days 23 hours 52 mins



C. 365 days 23 hours 52 mins

D. 367 days 8 mins



Q17 Mathematics

Shiva switched on a bulb at 1:37:39 hours and switched it off on the same day at 11:28:32 hours. For how long was the bulb in switched-on mode?

- A. 12 hours 40 mins 07 secs
- B. 10 hours 09 mins 54 secs
- C. 9 hours 50 mins 53 secs
- D. 9 hours 09 mins 06 secs

**Q18 Mathematics**

One pipe can fill an empty cistern in 7.8 hours while another can drain the cistern when full in 19.5 hours. Both the pipes were turned on when the cistern was half-empty. How long will it take for the cistern to be full?

- A. 3.9 hours
- B. 5.2 hours
- C. 6.5 hours
- D. 7.8 hours

**Q19 Mathematics**

Three-sevenths of my current age is the same as four-fifths of that of one of my cousin's. My age three years ago will be his age ten years hence. My current age is ____ years.

- A. 21
- B. 28
- C. 35
- D. 42

**Q20 Mathematics**

The sum of the lengths of the edges of a cube is equal to three-fifths of the perimeter of a square. If the numerical value of the volume of the cube is equal to the numerical value of the area of the square, then the perimeter of the square is:

- A. 480 units
- B. 360 units
- C. 300 units
- D. 500 units



Q21 Mathematics

The mean score of three students in a test out of 45 is 38. Two new students take the test. What is the lowest mark that can be obtained by the newcomer who scores less than the other new student for the overall average of the five students to rise to 40?

A. 40

B. 41



C. 42

D. 43

Q22 Mathematics

The mean of three numbers is 21. The range of this data set is 19 while the difference between the two smallest numbers is 5. The greatest of the three numbers is

A. 29

B. 28

C. 27

D. 26

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q23 Mathematics

The number of diagonals in a 27-sided polygon is

A. 322

B. 320

C. 324



D. 325

Q24 Mathematics

If $\sec \theta + \tan \theta = 12.5$, then $\sec \theta - \tan \theta = ?$

A. 1

B. 0.8

C. 0.08



D. 0.4



Q25 Mathematics

If $2x^2 + ax + b$, when divided by $x - 3$, leaves a remainder of 31 and $x^2 + bx + a$, when divided by $x - 3$, leaves a remainder of 24, then $a + b$ equals

A. -7

B. 7

C. 23

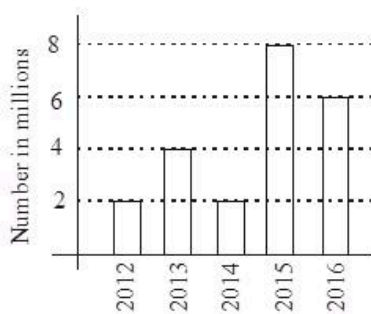
D. -23

**General Intelligence and Reasoning**

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

The given data below shows information about manufacturing of engine vehicles for a company "ABC" over the last 5 years.



In which year was the production of engines the highest?

A. 2012

B. 2014

C. 2015

D. 2016



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Q27 General Intelligence and Reasoning

Read the given statement and the following conclusions carefully and select which of the conclusions logically follow(s) from the statement.

Statement:

“Monkey is the funniest of all animals, as they mimic human behaviour”, says Z to A.

Conclusions:

- I. Z is amazed at monkeys' behaviour.
- II. A likes monkeys.

- ☒ A. Conclusion I alone follows.
- ☐ B. Conclusion II alone follows.
- ☐ C. Both the conclusions follow.
- ☐ D. Neither conclusion I nor II follows.

Q28 General Intelligence and Reasoning

Puni is the daughter of Avani and Amit is the son of Avani's brother. How is Amit's father related to Puni?

- ☐ A. Cousin
- ☐ B. Brother
- ☒ C. Maternal uncle
- ☐ D. Father

Q29 General Intelligence and Reasoning

If, in a code language, LIQUID is written as PMUYMH, then how SPACE would be written in that code language?

- ☐ A. WTBGI
- ☒ B. WTEGI
- ☐ C. TEGIW
- ☐ D. WEIGH



Q30 General Intelligence and Reasoning

Read the statements and conclusions below.

Statements:

- No cats are lions
- All lions are majestic animals

Conclusions:

1. All majestic animals are lions
2. Some majestic animals are lions
3. No majestic animal is cat

Which conclusion(s) follow(s) the given statement?

- A. Only conclusion 2 follows ✓
- B. All the conclusions follow
- C. Only conclusion 1 follows
- D. Only conclusion 3 follows

Q31 General Intelligence and Reasoning

Shoes are related to Legs in the same way Gloves are related to:

- A. Head
- B. Hands ✓
- C. Wrists
- D. Knees

Q32 General Intelligence and Reasoning

Find the next term in the below series. 3E, 9G, 27I, _____

- A. 80K
- B. 81K ✓
- C. 80L
- D. 81L



Q33 General Intelligence and Reasoning

Nanu and Ninu start cycling early in the morning in the opposite direction to each other. Nanu goes in the direction of Sun. After sometime, Nanu takes a left turn and Ninu takes a right turn. They are now travelling parallel to each other. Towards which direction are they moving?

- A. South
- B. East
- C. North
- D. West



Q34 General Intelligence and Reasoning

What is the lateral mirror image of LATE?

LATE	LATE	LATE	LATE
A	B	C	D

- A. A
- B. B
- C. C
- D. D



Q35 General Intelligence and Reasoning

Find the next term in the below series.

25, 31, 38, 46, _____.

- A. 58
- B. 60
- C. 55
- D. 54



Q36 General Intelligence and Reasoning

What is the next term in the below series?

3T, 3A, 6S, 6B, 12R, 12C, ?

A. 24Q



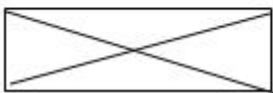
B. 24S

C. 24T

D. 24U

Q37 General Intelligence and Reasoning

How many right angled triangles are there in this figure?



A. 4



B. 8

C. 6

D. 7

Q38 General Intelligence and Reasoning

What will come in the place of question mark in the below series?

$C < R$	$R < C$	$C < R$	?
---------	---------	---------	---

A	B	C	D
$C > R$	$R > C$	$R < C$	$R < C$

A. A

B. D

C. C



D. B



Q39 General Intelligence and Reasoning

Which of the below does not belong to this group?

- A. Broccoli
- B. Carrot
- C. Ridge gourd
- D. Bitter gourd

A. A

B. B

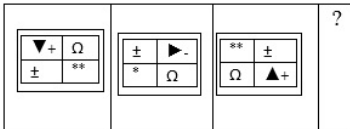
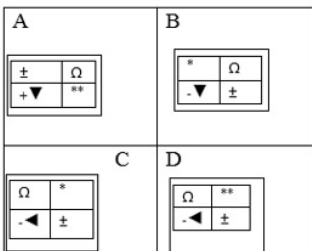


C. C

D. D

Q40 General Intelligence and Reasoning

Which figure follows next in the below series?



A. C



B. A

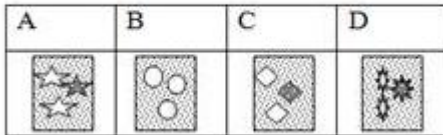
C. B

D. D



Q41 General Intelligence and Reasoning

Find the odd one out.



A. A

B. B

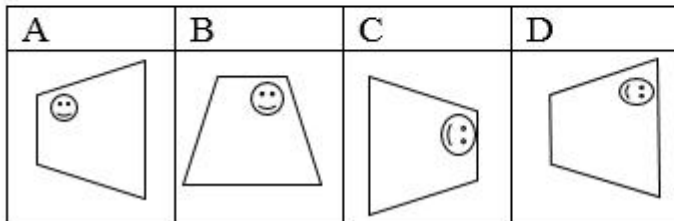


C. D

D. C

Q42 General Intelligence and Reasoning

Which pattern, of the ones shown in the below options, resembles closest to:



A. A

B. B

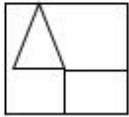
C. C

D. D



Q43 General Intelligence and Reasoning

Which pattern, of the ones shown in the below options, resembles closest to:



A	B	C	D

A. A



B. B

C. C

D. D

Q44 General Intelligence and Reasoning

A company's expenditure heads are given as follows (all figures are in lakhs of rupees)

Year	Salary	Bonus	Taxes	Interest on loans
Year1	200	10	70	20
Year2	200	10	70	22
Year3	450	10	120	20

Total expenditure of Year 1 was approximately what percent of total expenditure of Year 3?

A. 0.5%

B. 100%

C. 5%

D. 50%



Q45 General Intelligence and Reasoning

Uma arranges for a terrace party. She divides the total expected expenditure into 5 broad segments. Here is the distribution:

Expense segments	% Expense
1	30
2	20
3	10
4	25
5	15

If she spends ₹ 850 on segment 3, what will be her total expense on segment 2 and segment 5?

A. ₹ 1795

B. ₹ 2975



C. ₹ 1275

D. ₹ 1175

Q46 General Intelligence and Reasoning

Read the statement below followed by two arguments.

Statement:

Should Yoga be made compulsory in schools?

Arguments:

- I. Yes, it would help in overall development of a child, both physically and mentally
- II. No, parents will not object to their children learning Yoga

Which argument(s) of the below is/are strong in the context of the statement?

A. Both arguments I and II are strong

B. Only argument II is strong

C. Neither argument I nor II is strong

D. Only argument I is strong



Q47 General Intelligence and Reasoning

Read the statement below along with two conclusions.

Statement: Naina looks at Sunita and compliments her on her looks.

Conclusions:

- I. Sunita is more beautiful than Naina
- II. Naina is impressed by Sunita's dressing sense

Which conclusion(s) follow(s) the given statement?

- A. Conclusion I alone follows
- B. Conclusion II alone follows
- C. Both the conclusions follow
- D. Neither I nor II follows



Q48 General Intelligence and Reasoning

Which assumptions are implied from the below statement

Statement: "The real impact of water crisis would be felt in 2 years," says the Panchayat chief.

Assumptions:

- I. The water level has started depleting
- II. Water bodies need maintenance

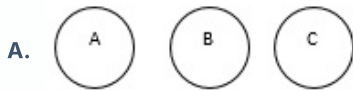
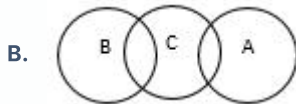
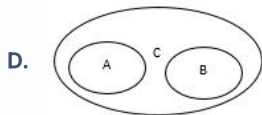
- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Neither assumption I nor II is implicit
- D. Both assumptions I and II are implicit



Q49 General Intelligence and Reasoning

Which of the following correctly represents the relationship between

- A) Woolen sweater
- B) Cotton
- C) Wool



Q50 General Intelligence and Reasoning

Consider the following question and statements and decide which of the statements is sufficient to answer the question.

What is the total weight of 10 cartons of Mangoes? Each of them weigh equal.

Statements:

1. One third of each boxes weight is 12 kg
2. Total weight of 6 boxes is 72 kg more than the total weight of 4 boxes

A. Statement 1 and 2 are not sufficient

B. Statement 1 alone is sufficient

C. Statement 2 alone is sufficient

D. Either of the statements 1 or 2 is sufficient



Q51 General Intelligence and Reasoning

Which of the following does NOT belong to this group?

- A. Mauve
- B. Purple
- C. Green
- D. Pole

A. A

B. B

C. C

D. D



Q52 General Intelligence and Reasoning

Consider the given statements and decide which of the conclusions logically follow from the statements.

Statement:

- All laptops are electronics.
- All electronics emit radiation.

Conclusions:

1. All laptops emit radiation.
2. Some radiation is due to electronics.

A. Only conclusion 2 follows

B. All the conclusions follow

C. Only conclusion 1 follows

D. None of the conclusions follow



Q53 General Intelligence and Reasoning

Consider the given statements to be true even if they seem to be at variance with the commonly known facts and decide which of the given conclusions logically follow(s) from the statements.

Statements:

- All dresses are clothes.
- All clothes are yarns.

Conclusions:

1. All dresses are yarns.
2. Some yarns are clothes.

A. Only conclusion 2 follows.

B. All the conclusions follow.



C. Only conclusion 1 follows.

D. No conclusions follow.

Q54 General Intelligence and Reasoning

Consider the given statement and decide which of the following assumptions is/are implicit in the statement.

Statement:

“Mobile phones are addictive”, Y said to Z.

Assumptions:

- I. Mobile phones have many attractive features and games.
- II. People spend more time with their mobile phones.

A. Only I is implicit.

B. Only II is implicit.



C. Neither I nor II is implicit.

D. Both I and II are implicit.



Q55 General Intelligence and Reasoning

From a cloth store, 15 customers bought orange dress, 15 bought red dress, 20 bought blue dress, 2 bought all the three colours and 8 bought at least two of these. How many bought at least one dress from the store?

- A. 39
- B. 40
- C. 45
- D. 25

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

General Science

24 Questions • Answer Key

Q56 General Science

Consider a planet whose mass and radius are one-third the mass and radius of the earth. If g is the value of acceleration due to gravity on the earth, then its value on the planet will be ____.

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

Q57 General Science

An object travel 18 m in 4 s and then another 16 m in 2 s. What is the average speed of the object?

- A. 5.67 m
- B. 5.67 ms^{-1}
- C. 5.67 s^{-1}
- D. 6.67 ms^{-1}

Q58 General Science

An object travels northwards with a constant velocity. The net force acting on the object will be ____.

- A. towards the north
- B. towards the south
- C. towards the east
- D. zero



Q59 General Science

Two objects A and B are moving with the same velocity. The mass of object A is twice that of B. The ratio of the kinetic energy of A to that of B, (K_A/K_B) will be ____.

A. $\frac{1}{2}$

B. 1

C. 2



D. 4

Q60 General Science

A car is moving with a high speed. Which energy does it possess?

A. Frictional force

B. Gravitational force

C. Potential energy

D. Kinetic energy



Q61 General Science

During the free fall of an object, which of the following energies increases at any point in its path?

A. Kinetic energy



B. Chemical energy

C. Potential energy

D. Mechanical energy

Q62 General Science

An object is placed in front of a concave mirror at a point between its centre of curvature and focus. The image will be formed at:

A. the focus

B. the centre of curvature

C. a point between the focus and the centre of curvature

D. a point beyond the centre of curvature



Q63 General Science

When a ray of light travels from a denser medium to a rarer medium, the ray will:

- A. speed up and bend towards the normal
- B. speed up and bend away from the normal ✓
- C. slow down and bend towards the normal
- D. slow down and bend away from the normal

Q64 General Science

Three identical resistors, each of $6\ \Omega$, are connected in parallel. The equivalent resistance of the combination will be ____.

- A. $2\ \Omega$ ✓
- B. $3\ \Omega$
- C. $6\ \Omega$
- D. $18\ \Omega$

Q65 General Science

A source of 6 V maintains a current of 0.5 A in a resistor. The power supplied by the source to the resistor will be ____.

- A. 0.5 W
- B. 1.0 W
- C. 1.5 W
- D. 3.0 W ✓

Q66 General Science

Which of the following classification of elements is based on atomic numbers?

- A. Dobereiner's Triads
- B. Newland's Octaves
- C. Mendeleev's periodic table
- D. Modern periodic table ✓



Q67 General Science

The kinetic energy of the particles is maximum in the case of ____.

- A. solids
- B. liquids
- C. gases
- D. plasma



Q68 General Science

To change a temperature from the Kelvin scale to the Celsius scale, you have to:

- A. add 273 to the given temperature
- B. multiply the given temperature by 273
- C. divide the given temperature by 273
- D. subtract 273 from the given temperature



Q69 General Science

Tooth decay starts when the pH of the mouth is:

- A. in the range 5.5 - 6.5
- B. less than 5.5
- C. is in the range of 6.5–7.5
- D. is in the range of 8 - 9



Q70 General Science

As the pH value increases from 7 to 14, it represents:

- A. a decrease in the OH^- ion concentration
- B. an increase in the OH^- ion concentration
- C. an increase in the H^+ ion concentration
- D. no change in the H^+ ion concentration



Q71 General Science

Solder is an alloy of _____.

- A. Cu and Zn
- B. Cu and Sn
- C. Pb and Sn
- D. Ni, Cu and Zn



Q72 General Science

_____ is used as a fuel in cars with petrol.

- A. Butane
- B. Ethanol
- C. Benzene
- D. Alcohol



Q73 General Science

Which period of the modern periodic table has the minimum number of shells?

- A. 4
- B. 5
- C. 6
- D. 3

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q74 General Science

The elements present in any one group have the same _____.

- A. atomic number
- B. atomic mass number
- C. number of valence electrons
- D. atomic size



Q75 General Science

Which of the following scientists suggested a mechanism for organic evolution in his book "Origin of Species".

- A. Ernst Haeckel
- B. Robbert Whittaker
- C. Carl Woese
- D. Charles Darwin



Q76 General Science

Which tissue helps in the transportation of the material away from the photosynthetic parts of the plants?

- A. Xylem vessels
- B. Meristematic tissue
- C. Phloem
- D. Ground tissue



Q77 General Science

Goitre is caused due to the deficiency of ____.

- A. calcium
- B. iodine
- C. iron
- D. sodium



Q78 General Science

The seed of a plant contains the future plant in the form of a/an ____.

- A. ovary
- B. ovule
- C. embryo
- D. stigma



Q79 General Science

The transmission of traits, physical or mental, from parents to offspring is called ____.

- A. heredity
- B. evolution
- C. variation
- D. progeny



General Awareness and Current Affairs

20 Questions • Answer Key

Q80 General Awareness and Current Affairs

Who portrayed the character of Allauddin Khilji in the controversial movie 'Padmavat'?

- A. Ranbir Kapoor
- B. Ranveer Singh
- C. Shahid Kapoor
- D. Rana Daggubati



Q81 General Awareness and Current Affairs

Who won the Golden Glove Award at the 2018 FIFA World Cup event?

- A. Rui Patricio
- B. Fernando Muslera
- C. Hugo Lloris
- D. Thibaut Courtois



Q82 General Awareness and Current Affairs

Name the country which will host the 2019 Combined World Cup for shooting?

- A. Sri Lanka
- B. Pakistan
- C. Nepal
- D. India



Q83 General Awareness and Current Affairs

Who was conferred with the 2018 Padma Shri award in the field of Art-Acting from Maharashtra?

- A. Manoj Joshi
- B. Lakshmi Kutty
- C. SS Rathore
- D. Subhashini Mistry



Q84 General Awareness and Current Affairs

Who launched the Pulse Polio programme for 2018?

- A. Ram Nath Kovind
- B. Narendra Modi
- C. Venkaiah Naidu
- D. Ahmed Ansari



Q85 General Awareness and Current Affairs

Which State Election Commission had decided in January 2017 to print voters list in Urdu as well?

- A. Uttar Pradesh
- B. Bihar
- C. Himachal Pradesh
- D. Punjab



Q86 General Awareness and Current Affairs

Maharashtra government launched the Asmita Yojana on the occasion of _____.

- A. International Cancer Day
- B. International Women's Day
- C. International Aids Day
- D. International Men's Day



Q87 General Awareness and Current Affairs

What sport is Limba Ram known for?

- A. Archery
- B. Athletics
- C. Boxing
- D. Wrestling



Q88 General Awareness and Current Affairs

Who is the author of the book "Jinnah Often Came to Our House"?

- A. Sunita Narain
- B. Kiran Doshi
- C. Dinanath Gopal Tendulkar
- D. Sowvendra Shekhar



Q89 General Awareness and Current Affairs

The third Indian Council for Cultural Relations (ICCR) Distinguished Indologist Award for the year 2017 was awarded to _____.

- A. Kamil Zvelebil
- B. Madeleine Biardeau
- C. Professor Hiroshi Marui
- D. Bettina Baumer



Q90 General Awareness and Current Affairs

Which of the following Indian State Political parties is led by Omar Abdullah?

- A. Jammu & Kashmir State Conference
- B. Jammu and Kashmir People's Democratic Party
- C. Jammu & Kashmir National Panthers Party
- D. Jammu & Kashmir National Conference



Q91 General Awareness and Current Affairs

To push which initiative is the Govt. of India planning 'rent a roof' policy?

- A. To Promote Hospitality
- B. To Promote Foreign Travelers and Students
- C. To Abolish Homelessness
- D. To Promote Solar Power Generation



Q92 General Awareness and Current Affairs

Which state government has recently set up toll-free helpline number '14417' to provide information to students?

- A. Rajasthan
- B. Gujarat
- C. Kerala
- D. Tamil nadu



Q93 General Awareness and Current Affairs

When did the British make English the medium of instruction in India?

- A. 1834
- B. 1833
- C. 1836
- D. 1835



Q94 General Awareness and Current Affairs

_____ was the founder of the City of Agra.

- A. Sikandar Lodi
- B. Mumtaz Mahal
- C. Shah Jahan
- D. Abraham Lodi



Q95 General Awareness and Current Affairs

The boundary line between India and China is called _____

- A. Radcliffe Line
- B. McMahon line
- C. Palk Strait
- D. Line of Control



Q96 General Awareness and Current Affairs

Indicate the wrong pair among the following:

- A. Kashmir – Saffron
- B. Moradabad - Brass
- C. Khetri – Iron
- D. Surat – Diamonds



Q97 General Awareness and Current Affairs

In July 2018, which country was formally announced as the 69th shareholder of the European Bank for Reconstruction and Development (EBRD)?

- A. Pakistan
- B. Germany
- C. India
- D. Sri Lanka



Q98 General Awareness and Current Affairs

Which of the following is the chief banker to the Government of India?

- A. State Bank of India
- B. Punjab National Bank
- C. Reserve Bank of India
- D. Bank of India



In the last ten years, FDI inflows are highest in which sector of India?

A. Telecommunications



B. Pesticides

C. Services

D. Food processing



Mathematics

25 Questions • Answer Key

Q1 Mathematics

$$30 \div (20 - 15 \div 3 \times 8) = ?$$

A. 2

B. - 3

C. - 1.5



D. 3

Q2 Mathematics

The fraction from the ones listed below that will not lead to a recurring decimal is:

A. $\frac{10}{56}$

B. $\frac{15}{56}$

C. $\frac{21}{56}$



D. $\frac{20}{56}$

Q3 Mathematics

How much does one need to add to $\frac{10}{11}$ to obtain $\frac{11}{10}$?

A. $\frac{1}{-1}$

B. $\frac{21}{110}$



C. $\frac{1}{55}$

D. $\frac{2}{11}$



Q4 Mathematics

What is the HCF of 306, 204 and 136?

A. 17

B. 34



C. 68

D. 51

Q5 Mathematics

Which of the following numbers is composite?

A. 709

B. 719

C. 729



D. 739

Q6 Mathematics

$\{143 - (9 - 2)\} \div [2 + \{3 \times (-5) \times (-1)\}] = ?$

A. 17

B. -8

C. -5

D. 8



Q7 Mathematics

$275 \div [-1 + (-6) \text{ of } \{63 \div (-35 \div -5)\}] =$

A. 8

B. -4

C. -5



D. 10



Q8 Mathematics

यदि $\frac{0.7}{1-6c} = -0.2$ है, तो $c = ?$

A. 0.75



B. 0.075

C. 0.5

D. 0.8

Q9 Mathematics

A sum of ₹ 1600, invested at 7.25% simple interest per annum for 10 years will yield an interest of

A. ₹ 1180

B. ₹ 1220

C. ₹ 1160



D. ₹ 1240

Q10 Mathematics

The interest earned on ₹ 3680 at 4% simple interest per annum for 2.5 years will be

A. ₹ 184

B. ₹ 368



C. ₹ 92

D. ₹ 276

Q11 Mathematics

A sum of money invested for 3 years and 3 months @ 8% simple interest per annum became ₹ 819 at the end of the period. What was the sum that was initially invested?

A. ₹ 700

B. ₹ 675

C. ₹ 650



D. ₹ 600



Q12 Mathematics

The ratio of the number of marbles that Tulip and Devansh had was 7 : 9 while the ratio of the number of marbles that Sheetal and Devansh had was 7 : 15. Find the ratio of the number of marbles that Tulip and Sheetal had.

A. 5 : 7

B. 5 : 3

C. 7 : 5

D. 2 : 3

Q13 Mathematics

Sai can do a piece of work in 17 days while Bindu can do it in 51 days. Sai works on Day 1, Bindu works on Day 2, and the system continues till work gets over. How many days does it take in all to complete the work?

A. 25

B. 24.5

C. 25.5

D. 26

Q14 Mathematics

A girl needs to travel 400 km in 5 hours. She travels for some time @ 85 km/hr and the rest of the time @ 55 km/hr. how long did she travel at the higher speed?

A. 4 hours 25 mins

B. 4 hours 15 mins

C. 4 hours 35 mins

D. 4 hours 10 mins

Q15 Mathematics

A and B can do a piece of work together in 35 days. If A works alone and completes $\frac{4}{7}$ of the work and then leaves the rest for B to do by herself, it takes a total of 114 days to complete the work. How many days would it take A, the more efficient among the duo, to complete the entire work by oneself?

A. 40

B. 42

C. 45

D. 48



Q16 Mathematics

The time duration that would elapse between 5:58 p.m. of 11th September 2023 and 5:49 p.m. of 13th September 2024 is

- A. 367 days 9 mins
- B. 367 days 23 hours 51 mins
- C. 366 days 23 hours 51 mins
- D. 368 days 9 mins



Q17 Mathematics

19th of February 2018 is a Monday. 19th of April 2019 will be a

- A. Wednesday
- B. Thursday
- C. Friday
- D. Saturday



Q18 Mathematics

Nilanjan is 11 years younger than Bharati. 15 years hence Bharati will be 1.2 times as old as Nilanjan. What is Nilanjan's present age?

- A. 38 years
- B. 40 years
- C. 42 years
- D. 43 years



Q19 Mathematics

The difference between Waqar's and Naseema's ages is 8 years. When they married each other 30 years ago, 4 times Waqar's age was the same as 5 times the age of Naseema. What is their current sum of ages?

- A. 135 years
- B. 134 years
- C. 132 years
- D. 130 years



Q20 Mathematics HINDI - no English version saved

4.5 cm की भुजा वाले एक वर्ग के प्रत्येक कोने से 1 cm की भुजा वाले शीर्ष काटे जाते हैं। इस प्रकार बने अष्टभुज की परिधि और क्षेत्रफल ज्ञात करें।

- A. 16 cm, 16 cm²
- B. $5\sqrt{2}$ cm; 18.25 cm²
- C. $(5 + 4\sqrt{2})$ cm; 18.25 cm²
- D. $(10 + 4\sqrt{2})$ cm; 18.25 cm² ✓

Q21 Mathematics

Seven children, each with the same birthday, were born in seven consecutive years. The sum of the ages of the oldest three children is 78 years. What is the sum of the ages, in years, of the youngest three?

- A. 63
- B. 72
- C. 69
- D. 66 ✓

Q22 Mathematics

Four numbers, when arranged in ascending order, are w , x , y and z . The average of the smallest three numbers is 25.5 while the average of the largest three was 29.5. What is the range of the data?

- A. 10
- B. 11
- C. 12 ✓
- D. 13

Q23 Mathematics

The ratio of the measures of the interior angles of a regular heptagon and a regular dodecagon is:

- A. 4 : 5
- B. 2 : 3
- C. 6 : 7 ✓
- D. 7 : 12



Q24 Mathematics

One of the roots of the equation $x^2 - 24x + k = 0$ is $x = 2$

The other root is:

- A. $x = -12$
- B. $x = -22$
- C. $x = 12$
- D. $x = 22$ ✓

Q25 Mathematics

The angle of elevation of the top of a 43.5 metre tall tower from the initial position of a person on the ground was 60° . She walked away in a manner that the foot of the tower, her initial position and the final position were all in the same straight line. The angle of elevation of the top of the tower from her final position was 30° . How much did she walk from her initial position?

- A. 29 metre
- B. $29\sqrt{3}$ metre ✓
- C. $\frac{29}{2}\sqrt{3}$ metre
- D. $\frac{29}{3}\sqrt{3}$ metre

General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

Find the next alpha-numeric term in the given series:

5A, 7B, 9D, 11G, ?

- A. 10G
- B. 13K ✓
- C. 11K
- D. 14G



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Q27 General Intelligence and Reasoning HINDI - no English version saved

निम्न कथन और निष्कर्षों को ध्यानपूर्वक पढ़िए और उनके आधार पर तय कीजिए कि कौन से निष्कर्ष कथन का तर्कसंगत रूप से अनुसरण करते हैं।

कथन:

मयंक की पेंटिंग थीम को सही से प्रेषित करती है।

निष्कर्ष:

- I. मयंक एक कलाकार है।
- II. मयंक को उसके क्षेत्र का गहन ज्ञान है।

A. केवल निष्कर्ष I अनुसरण करता है



B. केवल निष्कर्ष II अनुसरण करता है

C. दोनों निष्कर्ष अनुसरण करते हैं

D. न तो I न ही II अनुसरण करता है

Q28 General Intelligence and Reasoning

Read the below statements and conclusions.

Statement:

- All insects are living beings
- All butterflies are insects

Conclusions:

1. All butterflies are living beings
2. All insects are butterflies

Which conclusion(s) correctly follow(s) the given statements.

A. Only conclusion 2 follows

B. Both the conclusions follow

C. Only conclusion 1 follows



D. Both the conclusions do not follow



Q29 General Intelligence and Reasoning

Book is related to Pages in the same way a Machine is related to:

- A. Electricity
- B. Plastic
- C. Plug point
- D. Parts



Q30 General Intelligence and Reasoning HINDI - no English version saved

एक तस्वीर को इंगित करते हुए जॉन कहता है कि वह मेरे बेटे की माँ की बहन है। तस्वीर के व्यक्ति का जॉन से क्या संबंध है?

- A. ससुर
- B. दामाद
- C. माँ
- D. साली



Q31 General Intelligence and Reasoning

ABC is a right angled triangle at A (90° at A). To make two right angled triangles, which side we need to cut into half between the side?

- A. AB
- B. BC
- C. CA
- D. In the center



Q32 General Intelligence and Reasoning

In a code language, if DIP is written as KPW, then how SWIM would be written in that language?

- A. ZDPT
- B. PTZD
- C. ZTDP
- D. ZPDT



Q33 General Intelligence and Reasoning

Find the next term in the below series.

2I, 9L, 16O, __

A. 23R



B. 22R

C. 20R

D. 23S

Q34 General Intelligence and Reasoning

Mannu and Pinky start for market from their home. They both start walking towards East for 500 metre, then they take a right turn to walk 200 metre to reach the laundry shop. Which direction is the laundry shop from their home?

A. South-east



B. East -west

C. North-west

D. South-west

Q35 General Intelligence and Reasoning

Select the option that represents the correct lateral mirror image of: PEN

PEN	бEN	ИЭP	NEP
A	B	C	D

A. A

B. B

C. C



D. D



Q36 General Intelligence and Reasoning

Find the next term in the below series:

2, 14, 98, __

A. 588

B. 686



C. 666

D. 548

Q37 General Intelligence and Reasoning

If "<" is considered as "×" and "÷" is considered as "+", then what is the value of $(5<7)÷2$?

A. 70

B. 65

C. 37



D. 35

Q38 General Intelligence and Reasoning

Find the next term in the below series:

E2, I12, M72, __

A. Q434

B. Q432



C. R432

D. R434



Q39 General Intelligence and Reasoning

Read the question below followed by two statements.

What will be the total age of Megul and Shaymal from now?

Statements:

1. Megul is 15 years old today
2. Shymal is younger to Megul by 3 years

Which statement(s) is/are sufficient to answer the above question?

- A. Statement 1 alone is sufficient
- B. Statement 2 alone is sufficient
- C. Statement 1 and 2 together are not sufficient
- D. Statements 1 and 2 together are sufficient



Q40 General Intelligence and Reasoning

Read the question below followed by two statements.

Neetu goes to market with 3 bags, each of same size and capacity. What is the total weight that all bags together can carry?

Statements:

1. Half of each bag's weight is 1kg
2. Bag 1 and 2 are green in colour and bag 3 is black in colour

Which statement(s) is/are sufficient to answer the above question?

- A. Statement 1 and 2 together are not sufficient
- B. Statement 1 alone is sufficient
- C. Statement 2 alone is sufficient
- D. 1 and 2 together are sufficient



Q41 General Intelligence and Reasoning

What will come in place of ? in the below series?

⊙ ▲ ⊙	⊙ ⊙ ▼	⊙ ◀ ⊙	?
A	B	C	D
⊙ ⊙ ◀	⊙ ▶ ⊙	⊙ ⊙ ▶	⊙ ▶ ⊙

A. A

B. D

C. C



D. B

Q42 General Intelligence and Reasoning

Select the option that does not belong to the below group.

A. Axe

B. blade

C. knife

D. Spanner

A. A

B. B

C. C

D. D

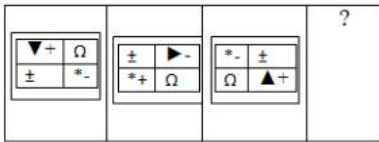
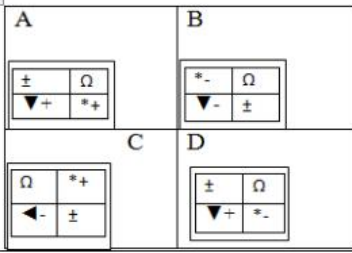


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Q43 General Intelligence and Reasoning

Which figure will come next in the place of question mark (?)



A. C



B. A

C. B

D. D

Q44 General Intelligence and Reasoning

Find the odd one out from the below.

A	B	C	D
1696	1426	1726	1326
AFIF	ADBF	AGBF	ACBF

A. A



B. B

C. D

D. C



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Q45 General Intelligence and Reasoning HINDI - no English version saved

विकल्पों में से कौन दिए गए चित्र का निकटस्थ सदृश है?



A	B	C	D

A. A

B. B

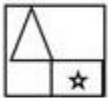
C. C



D. D

Q46 General Intelligence and Reasoning

Which pattern, of the options below, resembles closest to:



A	B	C	D

A. A

B. B



C. C

D. D



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Q47 General Intelligence and Reasoning

The question given below consists of a statement, followed by two arguments numbered I and II. You have to decide which argument(s) is/are 'strong' argument(s).

Statement:

Public littering is a crime. Should people be punished?

Arguments:

- I. Yes, punishment will enforce strict discipline in citizens
- II. No, in a diverse nation, we cannot enforce such stringent laws

- A. Both arguments I and II are strong
- B. Only argument II is strong
- C. Neither argument I nor II is strong
- D. Only argument I is strong



Q48 General Intelligence and Reasoning

Read the statement below and two conclusions.

Statement:

"Kalyan's performance was good and he was promoted," Shyam said to Kaushik.

Conclusions:

- I. No one else performed well except Kalyan
- II. Performance leads to promotion

Decide which conclusion(s) logically follow(s) the statement.

- A. Conclusion I alone follows
- B. Conclusion II alone follows
- C. Both the conclusions follow
- D. Neither I nor II follows



Q49 General Intelligence and Reasoning

Read the statement below followed by two assumptions.

Statement:

Doctors says, "Recent studies have shown association in increased cancer patients and consumption of Aerated drinks."

Assumptions:

- I. Refined sugar is harmful
- II. Increase of sugar content in body becomes breeding ground for diseases

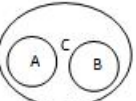
Decide which assumption(s) is/are implied in the given statement.

- A. Only assumption I is implicit
- B. Only assumption II is implicit
- C. Neither assumption I nor II is implicit** ✓
- D. Both assumptions I and II are implicit

Q50 General Intelligence and Reasoning

Which of the following options correctly represents the relationship between:

- A) Elephants
- B) Lions
- C) Animals

- A. 
- B. 
- C. 
- D. ** ✓

Q51 General Intelligence and Reasoning

Read the question and two statements given below.

There are 3 jars in a lab. They all weigh equal. What is their total weight?

Statements:

1. One fourth of a jar's weight is 40 gm
2. The jars are filled with different liquids used in an experiment

Which statement(s) is/are sufficient to answer the given question?

- A. Statement 1 and 2 together are not sufficient
- B. Statement 1 alone is sufficient
- C. Statement 2 alone is sufficient
- D. Either 1 or 2 is sufficient

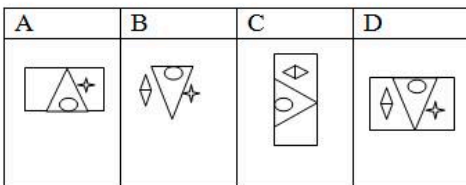
Q52 General Intelligence and Reasoning HINDI - no English version saved

निम्नलिखित में से कौन सी विकल्प आकृति प्रश्न आकृति से निकटतम समानता दर्शाती है?

प्रश्न आकृति:



विकल्प आकृतियाँ:



- A. A
- B. B
- C. C
- D. D



Q53 General Intelligence and Reasoning HINDI - no English version saved

एक कोड में MEAK को 135111 लिखा जाता है, उसी कोड में OAK को कैसे लिखा जाएगा?

A. 15111



B. 16111

C. 13111

D. 17111

Q54 General Intelligence and Reasoning HINDI - no English version saved

यदि EAT को 7322 के रूप में लिखा जाता है, तो URN के लिए कोड क्या होगा?

A. 232016



B. 232015

C. 222016

D. 232116

Q55 General Intelligence and Reasoning

In a group of children, 10 like cake, 15 like pastries, 20 like biscuits, 2 like all the three and 3 like at least 2 of these. How many children like exactly one?

A. 37

B. 40

C. 45

D. 25

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

General Science

25 Questions • Answer Key

Q56 General Science

During free fall condition, the body is in the state of:

A. Motion

B. Rest

C. Weightlessness



D. Work done



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Q57 General Science

If a car uses total energy of 2000 J and its output is 500 J, then the efficiency of the car is _____.

- A. 50%
- B. 25%
- C. 40%
- D. 30%



Q58 General Science

An object moves along a circular path of radius 20 m with a uniform speed of 4.0 m/s. The time taken to complete one revolution is

- A. 5 s
- B. 5π s
- C. 10 s
- D. 10π s



Q59 General Science

Which of the following is a unit of gravitational constant G ?

- A. $\text{s m}^2/\text{kg}^2$
- B. $\text{N m}^2/\text{kg}^2$
- C. $\text{N kg}^2/\text{m}^2$
- D. N m/kg .



Q60 General Science

An object of 1 kg is raised through a height of 10 m. The work done by the force of gravity is ($g = 9.8 \text{ m/s}^2$)

- A. 9.8 J
- B. -9.8 J
- C. 98 J
- D. -98 J



Q61 General Science

Potential energy is equal to:

A. mgh



B. $\frac{1}{2}mv^2$

C. Fs

D. $\frac{1}{2}mu^2$

Q62 General Science

If work has a positive value, the body on which work has been done would:

A. Have a zero value

B. Remain constant

C. Gain energy



D. Lose energy

Q63 General Science

The region of high density of particles in the medium during propagation of sound:

A. Rarefaction

B. Resonation

C. oscillation

D. compression



Q64 General Science

The velocity of sound in air at 25°C is _____.

A. 300 m/s

B. 330 m/s

C. 346 m/s



D. 360 m/s



Q65 General Science

Which of the following is not based on the practical applications of heating effect of electricity?

- A. Electric flat iron
- B. Electric toaster
- C. Electric kettle
- D. Electric bell



Q66 General Science

A current of 2 A is maintained in a resistor of $5\ \Omega$. The amount of charge that flows through the resistor in one minute is

- A. 2 C
- B. 10 C
- C. 60 C
- D. 120 C



Q67 General Science

_____ is a liquid state non-metal.

- A. Bromine
- B. Mercury
- C. Helium
- D. Calcium



Q68 General Science

A solution contains 45 g of common salt in 520 g of water. Calculate the concentration in terms of mass by mass percentage of the solution.

- A. 8.86%
- B. 6.96%
- C. 8.1%
- D. 7.96%



Q69 General Science

Which of the following is not an element?

- A. Oxygen gas
- B. Copper
- C. Water
- D. Helium



Q70 General Science

Which of the following acid is produced in our stomach?

- A. Acetic acid
- B. Hydrochloric acid
- C. Sulphuric acid
- D. Lactic acid

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q71 General Science

Litmus solution is extracted from:

- A. Hydrangea
- B. Petunia
- C. Lichen
- D. Geranium



Q72 General Science

_____ alloy contains Tin.

- A. Brass
- B. Steel
- C. AlumeI
- D. Solder



Q73 General Science

Complete combustion of hydrocarbon gives which of the following?

A. $\text{CO}_2 + \text{H}_2\text{O}$



B. $\text{CO} + \text{H}_2\text{O}$

C. $\text{CO}_2 + \text{OH}$

D. $\text{CO} + \text{OH}$

Q74 General Science

In Mendeleev's periodic table, the horizontal rows are called:

A. Periods



B. Groups

C. Units

D. Classes

Q75 General Science

The elements having similar chemical properties but different atomic masses are called:

A. isomers

B. Isobars

C. Isotopes

D. Halogens

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q76 General Science

In sclerenchyma, the cell walls are thickened due to:

A. Lignin



B. Cutin

C. Fats

D. Cellulose



Q77 General Science

Which of the following statements is WRONG?

All chordates _____.

- A. have a notochord
- B. have a dorsal nerve cord
- C. are diploblastic
- D. are coelomate



Q78 General Science

The phloem in plants are responsible for:

- A. Transport of water
- B. Transport of oxygen
- C. Transport of minerals
- D. Transport of food



Q79 General Science

Which of the following type of reproduction allow for greater variation to be generated?

- A. asexual
- B. Binary fission
- C. sexual
- D. Regeneration



Q80 General Science

Germ cells containing the stored food for embryo is called:

- A. Female gamete
- B. Male gamete
- C. isogamete
- D. zoogamete



Q81 General Awareness and Current Affairs

Which Indian movie is based on the life of the Phogat sisters from Haryana?

- A. Sultan
- B. Dangal
- C. Sarbjit Kaur
- D. Neerja



Q82 General Awareness and Current Affairs

Who among the following personalities was elected as president of National Congress in 2017?

- A. Priyanka Vadra
- B. Rahul Gandhi
- C. Manmohan Singh
- D. Robert Vadra



Q83 General Awareness and Current Affairs

Who among the following is the CEO of Microsoft who visited India and met India's Prime Minister Narendra Modi in 2016?

- A. Satya Nadella
- B. Bill Gates
- C. Mark Zuckerberg
- D. Emmanuel Macron



Q84 General Awareness and Current Affairs

Identify the founder of Paytm who was mentioned in TIME magazine's Most Influential People of 2017 list along with Prime Minister Narendra Modi?

- A. Vijay Mallya
- B. Vijay Bhaskar
- C. Vijay Shekhar Sharma
- D. Narendra Kumar



Q85 General Awareness and Current Affairs

How many medals did India win in the US Open Karate Championship held in Las Vegas in April 2017?

A. 15

B. 12

C. 17

D. 16



Q86 General Awareness and Current Affairs

Who defeated Spain at the Salt Lake Stadium in Kolkata on Oct 28, 2017, to win the FIFA U-17 World Cup?

A. China

B. Argentina

C. England



D. Brazil

Q87 General Awareness and Current Affairs

What portfolio does the Cabinet Minister of India, Ravi Shankar Prasad hold as of February 2018?

A. Law and Justice Electronics and Information Technology



B. Chemicals and Fertilizers and Parliamentary Affairs

C. Civil Aviation

D. Health and Family Welfare

Q88 General Awareness and Current Affairs

Who among the following won the Women's Achievement Award 2017 given by the Delhi Commission for Women (DCW)? She is also a wheelchair bound disability rights activist and motivational speaker.

A. Dr Rajalakshmi

B. Virali Modi



C. Neenu Kewlani

D. Gopika Anand



Q89 General Awareness and Current Affairs

What is the theme of 9th edition of Women's festival 2018?

- A. Live and Let Live
- B. Transforming Leadership
- C. Invent Yourself
- D. Travelling Women

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q90 General Awareness and Current Affairs

Of which of the following countries is Donald Trump the president?

- A. USA
- B. UK
- C. France
- D. Russia

Q91 General Awareness and Current Affairs

Name the badminton player who won his maiden Super Series title in Singapore in April 2017?

- A. Srikanth Kidambi
- B. Sai Praneeth
- C. Prannoy Kumar
- D. Parupalli Kashyap

Q92 General Awareness and Current Affairs

Which Bollywood personality has been appointed as the brand ambassador of Uttarakhand Swachh Bharat Mission (SBM)?

- A. Amitabh Bachchan
- B. Akshay Kumar
- C. Aishwarya Rai
- D. Kajol



Q93 General Awareness and Current Affairs

How many ASEAN nations' leaders were the chief guests at the Republic Day celebrations of 26 January, 2018?

A. 11

B. 10



C. 20

D. 8

Q94 General Awareness and Current Affairs

Which city hosted the National Conference on Agriculture for Rabi campaign 2017?

A. Mumbai

B. Pantnagar

C. New Delhi



D. Patna

Q95 General Awareness and Current Affairs

Who launched the "Startup Academia Alliance Programme", a unique mentorship opportunity between academic scholars and start-ups working in similar domains?

A. Google

B. Startup India



C. TCS

D. Start-up Village

Q96 General Awareness and Current Affairs

In _____, Qutb-ud-din proclaimed himself Sultan of Delhi and founded a line of rulers called the Slave Dynasty.

A. 1207 AD

B. 1206 AD



C. 1205 AD

D. 1208 AD



Q97 General Awareness and Current Affairs

Ali Quli Salim and Abu Talib Kalim were important poets during the reign of _____.

A. Shah Jahan



B. Jahangir

C. Akbar

D. Aurangzeb

Q98 General Awareness and Current Affairs

Van Mahotsava was started by _____ in 1950 to create awareness in the mind of the people for the conservation of forests and planting of new trees.

A. Narhar Vishnu Gadgil

B. Sardar Vallabhbhai Patel

C. Jawaharlal Nehru

D. K. M. Munshi



Q99 General Awareness and Current Affairs

In India the Khadi and Gramodyog Sahakari Utpadak Sangh Ltd. was established in _____.

A. 1948

B. 1947

C. 1954



D. 1950

Q100 General Awareness and Current Affairs

Who is the CEO of State bank of India (SBI) as of July 2018?

A. Urjit Patel

B. K.V.Kamat

C. Chanda Kocchar

D. Arundhati Bhattacharya

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).



Mathematics

25 Questions · Answer Key

Q1 Mathematics HINDI - no English version saved

यदि द्विघातीय समीकरण $6x^2 - 5x + 1 = 0$ के दो मूल α और β हैं, तो इनके वर्गमूलों का योग होगा:

A. $\frac{13}{26}$

B. $\frac{13}{36}$ ✓

C. $\frac{11}{23}$

D. $\frac{13}{23}$

Q2 Mathematics

$$(77 + 14) - \frac{42}{7} \times 3 + (12 - 9) = ?$$

A. 24

B. 90

C. 76 ✓

D. 92

Q3 Mathematics HINDI - no English version saved

$\frac{7}{11}$ को दशमलव रूप में व्यक्त करें।

A. $0.\overline{63}$ ✓

B. $0.\overline{633}$

C. $0.\overline{62}$

D. $0.\overline{623}$



Q4 Mathematics HINDI - no English version saved

निम्नलिखित में से कौनसी संख्या 9 से विभाज्य है?

A. 12381

B. 12348



C. 45696

D. 45699

Q5 Mathematics

$\frac{273}{195}$, when written in the simplest form, is:

A. $\frac{14}{10}$

B. $\frac{7}{5}$



C. $\frac{91}{65}$

D. $\frac{28}{20}$

Q6 Mathematics

A natural number when divided by 5, 6, 7 or 8 leaves a remainder of 4 in each case. The second such number, when arranged in ascending order is:

5

A. 1684



B. 844

C. 1688

D. 1264

Q7 Mathematics

$108 \div 18 \times (55 - 35 \div 5) \div 3 = ?$

A. 18

B. 96



C. 144

D. 120



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Q8 Mathematics

$$84 \div [-5 + (-4) \text{ of } \{32 \div (-16 \div -2)\}] = ?$$

A. -2

B. 1

C. 2

D. -4 **Q9 Mathematics**

In a group there are 10 boys and 10 girls. After adding some boys to this group, the percentage change in girls is 10%. How many boys were added?

A. 4

B. 10

C. 5

D. 6

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q10 Mathematics HINDI - no English version saved

किसी संख्या का 76%, 95 है। वह संख्या है:

A. 130

B. 124

C. 125 

D. 120

Q11 Mathematics

Akshay borrows ₹ 3000 at simple interest of 6% per annum for 2 years and lends the same amount to his friend at simple interest of 9% per annum for 2 years. How much will Akshay earn in a year?

A. ₹ 180

B. ₹ 90 

C. ₹ 120

D. ₹ 150



Q12 Mathematics HINDI - no English version saved

एक संख्या 9:5 के अनुपात में विभाजित है। जब प्रत्येक संख्या में 8 जोड़ दिया जाता है तो अनुपात 5:3 हो जाता है। दोनों में से बड़ी संख्या कौन सी होगी?

A. 81

B. 72

C. 80

D. 69

Q13 Mathematics HINDI - no English version saved

162m लंबी रेलगाड़ी 54 km/hr की गति से एक प्लेटफॉर्म को 44 sec. में पार करती है। प्लेटफॉर्म की लंबाई क्या होगी?

A. 660 m

B. 498 m

C. 822 m

D. 540 m

Q14 Mathematics

Indra and Chandra can complete a task individually in 20 and 80 days, respectively. Indra starts the work, works for 3 days and takes a break for 5 days during which Chandra works. The pattern is continued till the task is completed. How many days did it take in all to do so?

A. 35

B. $37\frac{11}{17}$

C. 16

D. $57\frac{1}{2}$

Q15 Mathematics HINDI - no English version saved

A, B एवं C एक साथ मिलकर 2 दिनों में एक कार्य को पूरा कर सकते हैं। यदि A एवं B द्वारा एकसाथ काम को करने के लिए उन्हें 2.4 दिनों की आवश्यकता पड़ती है। तथा B एवं C के एकसाथ काम करने पर उन्हें 4 दिनों का समय लगता है। B अकेले उस कार्य को कितने दिनों में पूरा करेगा?

A. 4.4

B. 5

C. 6

D. 9



Q16 Mathematics HINDI - no English version saved

X और Y की वर्तमान आयु का अनुपात 5:4 है। अब से तीन वर्ष बाद, इनकी आयु का अनुपात 11:9 हो जाएगा। Y की वर्तमान आयु कितनी है?

A. 24 वर्ष



B. 22 वर्ष

C. 26 वर्ष

D. 27 वर्ष

Q17 Mathematics HINDI - no English version saved

2:12 p.m. पर घंटे की सुई और मिनट की सुई के बीच का कोण कितना होता है?

A. 0°

B. 12°

C. 6°



D. 10°

Q18 Mathematics HINDI - no English version saved

तीन पाइपों में से पहले दो क्रमशः 10.8 घंटे और 21.6 घंटे में एक खाली टंकी को भर सकते हैं। जबकि तीसरा पाइप भरी हुई टंकी को 18 घंटे में खाली कर सकता है। यदि टंकी खाली है और तीनों पाइप एकसाथ खोले जाते हैं, तो टंकी कितने घंटे में भर जाएगी?

A. 12



B. 13.2

C. 14.4

D. 15.6

Q19 Mathematics

Inlet P can fill a tank in 7 hours and outlet Q can empty a completely filled tank in 6 hours. If only P is opened for 3 hours and after that Q is also opened, how many hours will be required to empty the tank?

A. 24

B. 28

C. 21

D. 18



Q20 Mathematics

A sphere is split in the ratio 2 : 3. The larger part is molded into a cone having a height equal to the radius of its base, while the smaller part is molded into a cylinder having a height equal to the radius of its base. What would be the ratio of the radius of the cone and the height of the cylinder?

A. $\sqrt[3]{9} : 1$

B. 3 : 1

C. $\sqrt[3]{9} : \sqrt[3]{2}$



D. $1 : \sqrt[3]{3}$

Q21 Mathematics

The least value of x that makes $\frac{55}{x-19}$ an integer is:

A. -14

B. 74

C. 30

D. -36



Q22 Mathematics HINDI - no English version saved

25 वस्तुओं का औसत भार 50 kg है। यदि इसमें किसी अन्य वस्तु X का भार शामिल किया जाए, तो औसत भार 500 g तक बढ़ जाता है। वस्तु X का भार कितना है?

A. 36 kg

B. 63 kg



C. 28 kg

D. 82 kg

Q23 Mathematics HINDI - no English version saved

$\cos^2 5^\circ + \cos^2 10^\circ + \text{_____} + \cos^2 90^\circ$ का मान क्या है?

A. 4

B. $8\frac{1}{2}$



C. $9\frac{1}{2}$

D. 8



Q24 Mathematics HINDI - no English version saved

किसी कक्षा में 18 लड़कों के एक टेस्ट में प्राप्त अंकों का औसत 16 है, जबकि कक्षा के कुल 30 विद्यार्थियों का औसत 18.1 है। लड़कियों के प्राप्तांकों का औसत कितना है?

A. 20.75

B. 21.25

C. 21

D. 20.5

Q25 Mathematics HINDI - no English version saved

एक आयत जिसकी भुजाएं 12cm एवं 4cm हैं, के द्वारा एक ऐसे समचतुर्भुज की पुनर्रचना की जाती है जिसके विकर्ण समान हों और एक कोण का मान 60° हो। इस प्रकार निर्मित समचतुर्भुज का क्षेत्रफल cm^2 में कितना होगा?

A. $32\sqrt{3}$

B. $16\sqrt{3}$

C. $8\sqrt{3}$

D. $24\sqrt{3}$

General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

Consider the following statement and conclusion and decide which of the conclusions logically follows from the statements.

Statement:

- Some toys are plastic.
- Some plastics are black.

Conclusions:

1. All toys are black.
2. All toys are plastic.

A. Only conclusion 2 follows

B. Both the conclusions follow

C. Only conclusion 1 follows

D. Neither 1 nor 2 follows



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Q27 General Intelligence and Reasoning

Vicky is the son of Vinod. Vinod and Vishal are brothers. Who is Vishal to Vicky?

A. Paternal uncle



B. Maternal uncle

C. Brother

D. Father

Q28 General Intelligence and Reasoning

Supriya is the sister of Akhil. How is Akhil's father's mother related to Supriya?

A. Mother

B. Paternal grandmother



C. Sister

D. Aunt

Q29 General Intelligence and Reasoning HINDI - no English version saved

नीचे दिए गए कथन से संबंधित I और II के रूप में दो तर्क दिये गए हैं। कथन और तर्कों पर विचार करते हुए तय कीजिए कि कथन के संबंध में कौन से तर्क सशक्त हैं?

कथन:

क्या प्रतिदिन एक सेब खाने से बीमारियाँ दूर रहती हैं?

तर्क:

- I. हाँ, रोज एक सेब खाने से शरीर में आवश्यक पोषक तत्वों की पूर्ति हो जाती है।
- II. नहीं, स्वस्थ शारीरिक विकास के लिए सभी प्रकार के फलों का सेवन अनिवार्य है।

A. केवल तर्क I सशक्त है

B. केवल तर्क II सशक्त है

C. न तो तर्क I और न ही II सशक्त है



D. I और II दोनों तर्क सशक्त हैं



Q30 General Intelligence and Reasoning HINDI - no English version saved

एक कोड भाषा में यदि TAIL को 201912 लिखा जाता है, तो उसी भाषा में HORN का कोड क्या होगा?

A. 8151814



B. 8161815

C. 8141815

D. 9151814

Q31 General Intelligence and Reasoning HINDI - no English version saved

एक कोड भाषा में यदि TEEN को 205514 लिखा जाता है, तो उसी भाषा में ENTER का कोड क्या होगा?

A. 51420518



B. 51420618

C. 51520518

D. 51520618

Q32 General Intelligence and Reasoning

A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

Statement:

Should music therapy be introduced in hospitals?

Arguments:

- I. Yes, it is proven music has healing effect on body and mind. It will help patients recover fast.
- II. No, it will not help.

A. Only argument I is strong.



B. Only argument II is strong.

C. Neither I nor II is strong.

D. Both I and II are strong.



Q33 General Intelligence and Reasoning

Consider the given statement and decide which of the given assumption(s) is/are implicit in the statement.

Statement:

“Let’s go to the movies,”said Kajal to her husband.

Assumptions:

- I. Kajal likes to watch movies
- II. They are figuring out where to go

A. Only I is implicit



B. Only II is implicit

C. Neither I nor II is implicit

D. Both I and II are implicit

Q34 General Intelligence and Reasoning

Consider the given statement(s) and decide which of the given assumption(s) is/are implicit in the statement.

Statement:

“Now-a-days people know that walking on grass resets the body mechanism”

Assumptions:

- I. Stress and Anxiety are modern age menace
- II. Walking on grass is really a very easy exercise

A. Only I is implicit

B. Only II is implicit



C. Neither I nor II is implicit

D. Both I and II are implicit



Q35 General Intelligence and Reasoning HINDI - no English version saved

नीचे दिये गये प्रश्न का अनुसरण दो तर्कों द्वारा किया गया है। आपको यह तय करना है कि कथन के संबंध में कौन से तर्क मजबूत हैं।

प्रश्न:

क्या हमें सामुदायिक धुलाई केंद्रों को बढ़ावा देना चाहिए?

तर्क:

- I. हां, इससे बहुत सारे संसाधनों की बचत होगी।
- II. नहीं, भारत में यह संकल्पना अभी भी नयी है, क्योंकि लोग अपने कपड़े घर पर धोते हैं।

A. तर्क I और II दोनों ही मजबूत हैं

B. केवल तर्क II मजबूत है

C. न तो तर्क I और न ही तर्क II मजबूत है

D. केवल तर्क I मजबूत है



Q36 General Intelligence and Reasoning HINDI - no English version saved

यदि “<” को “-” के रूप में, “-” को “x” के रूप में और “÷” को “+” के रूप में माना जाता है, तो $((7 \div 5) - 2) - 5$ का मान क्या होगा?

A. 130

B. 125

C. 120

D. 150



Q37 General Intelligence and Reasoning

What is the next term in the given series?

22P, 2Z, 24Q, 4Y, 26R, ?_

A. 6X

B. 24S

C. 24X

D. 6S



Q38 General Intelligence and Reasoning HINDI - no English version saved

यदि '>', '+' बन जाता है '<', '-' बन जाता है और 'x', '÷' बन जाता है, तो $((1 > 2 < 3) > 15) \times 10$ का मान क्या होगा?

A. 0

B. 1.0

C. 1.5



D. -1.5

Q39 General Intelligence and Reasoning

Based on the sequences given in i and ii choose the correct options.

i. 5876, 5874, 5873

ii. 9875, 9873, 9872

A. 5643, 5641, 5642

B. 6789, 6788, 6778

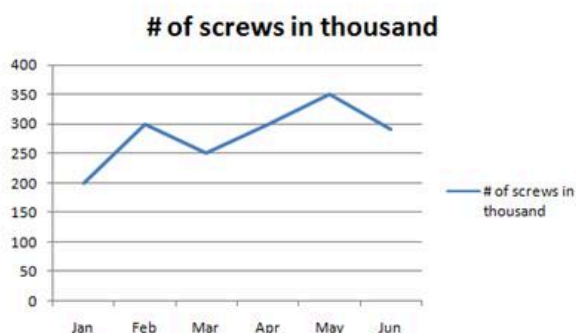
C. 1238, 1236, 1235



D. 7654, 7653, 7651

Q40 General Intelligence and Reasoning

Based on the following chart, in which month was the number of screws manufactured less than 250?



A. May

B. June

C. February

D. January



Q41 General Intelligence and Reasoning HINDI - no English version saved

नीचे दिए गए प्रश्न और दोनों कथनों को पढ़ें।

प्रश्न:

एक सब्जी की दुकान में 5 टोकरे हैं और सबका वजन बराबर है। उनका कुल वजन क्या है?

कथन:

1. टोकरे के वजन का एक चौथाई 4 kg है
2. टोकरे आम और सेब से भरे हुए हैं

दिए गए प्रश्न का उत्तर देने के लिए कौन सा कथन पर्याप्त है?

- A. कथन 1 और 2 दोनों एकसाथ पर्याप्त हैं
- B. केवल कथन 1 पर्याप्त है
- C. केवल कथन 2 पर्याप्त है
- D. 1 और 2 दोनों ही पर्याप्त नहीं हैं

Q42 General Intelligence and Reasoning HINDI - no English version saved

आपको एक प्रश्न और दो कथन दिये गये हैं। निर्णय कीजिए कि कौन से कथन प्रश्न का उत्तर देने के लिए पर्याप्त हैं।

प्रश्न:

'Home' के लिए कोड क्या होगा?

कथन:

1. 'This is my home' का कोड 'Te e me huch' है।
2. 'Home sweet home' का कोड 'huch tee huch' है।

- A. कथन 1 और 2 दोनों एकसाथ पर्याप्त हैं।
- B. केवल कथन 1 पर्याप्त है।
- C. केवल कथन 2 पर्याप्त है।
- D. न तो कथन 1 और न ही कथन 2 पर्याप्त है।

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).



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Q43 General Intelligence and Reasoning HINDI - no English version saved

निम्नलिखित प्रश्न को पढ़ें और निर्णय लें कि प्रश्न का उत्तर देने के लिए कौन से कथन पर्याप्त हैं?

प्रश्न:

मृदुला के पास चार अलमारियां और 24 पुस्तकें हैं। वह कुछ पुस्तकों को व्यवस्थित करना चाहती है। पहली शेल्फ में कितनी पुस्तकें रखी जा सकती हैं?

कथन:

1. शेल्फ एक में शेल्फ दो की अपेक्षा दोगुनी पुस्तकें रखी जा सकती हैं।
2. शेल्फ चार में 12 पुस्तकें रखी जा सकती हैं।
3. शेल्फ तीन में केवल 6 पुस्तकें रखी जा सकती हैं।

A. कथन 1, 2, और 3 सभी एक साथ पर्याप्त हैं।



B. केवल कथन 1 पर्याप्त है।

C. केवल कथन 2 पर्याप्त है।

D. न तो कथन 1 और न ही कथन 2 पर्याप्त है।

Q44 General Intelligence and Reasoning

Identify the answer figure that will replace the question mark in the problem figure.

Problem Figure:

$\pi \blacktriangle \pi$	$\pi \pi \blacktriangledown$	$\pi \blacktriangleleft \pi$	?
--------------------------	------------------------------	------------------------------	---

Answer Figure:

A	B	C	D
$\pi \pi \blacktriangleleft$	$\pi \blacktriangleright \pi$	$\pi \pi \blacktriangleright$	$\pi \blacktriangleright \pi$

A. A

B. D

C. C



D. B



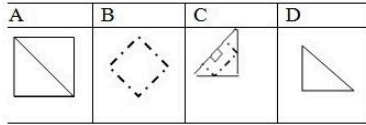
Q45 General Intelligence and Reasoning

The given question figure, printed on a sheet, is cut diagonally. Which of the options figures will it resemble?

Question figure:



Option figure:



A. A

B. B

C. C



D. D

Q46 General Intelligence and Reasoning HINDI - no English version saved

निम्नलिखित में से कौन सा एक समान समूह से संबंधित नहीं है?

A. गीली मिट्टी

B. चिकनी मिट्टी

C. पृथ्वी

D. प्लास्टिक

A. A

B. B

C. C

D. D



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Q47 General Intelligence and Reasoning

Find the odd one out:

A	B	C	D
I3	L4	O7	R6

A. A

B. B

C. C



D. D

Q48 General Intelligence and Reasoning HINDI - no English version saved

कौन सा विकल्प चित्र, प्रश्न चित्र के साथ निकटतम समानता रखता है?

प्रश्न चित्र:



विकल्प चित्र:

A	B	C	D

A. A

B. B

C. C

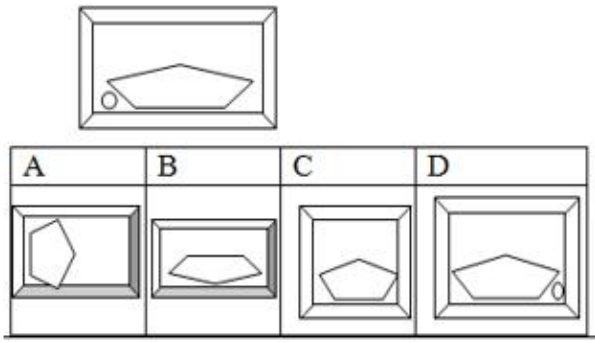


D. D



Q49 General Intelligence and Reasoning

Which of the options bears the closest resemblance to the following figure?



A. A

B. B

C. C

D. D



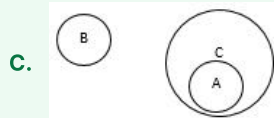
Q50 General Intelligence and Reasoning HINDI - no English version saved

कौन सा वेन आरेख निम्नलिखित वर्गों के बीच संबंध को सही ढंग से दर्शाता है?

A) शेर

B) घड़ा

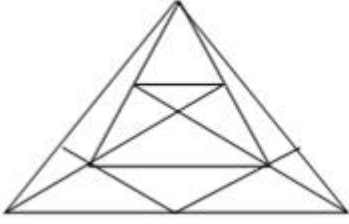
C) जंगल



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निम्नलिखित आकृति में कितने त्रिभुज हैं?



A. 20

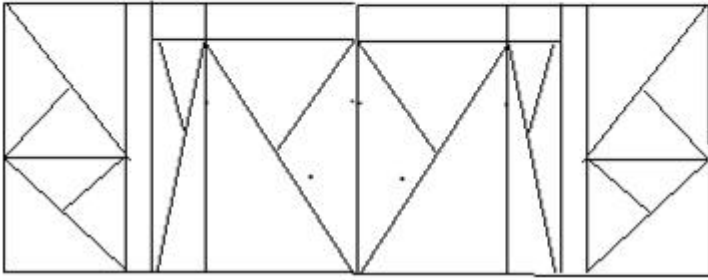
B. 22

C. 27



D. 21

How many triangles are there in the following figure?



A. 35



B. 32

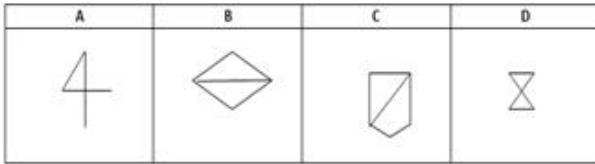
C. 24

D. 34



Q53 General Intelligence and Reasoning

Select the option that can replace the question mark (?) in the given figure series.



A. A



B. B

C. C

D. D

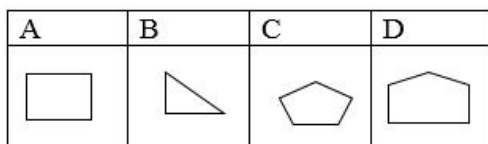
Q54 General Intelligence and Reasoning

Which of the following shapes cut on a transparent sheet is used to form the below figure?

Question Figure:



Option Figures:



A. A

B. B

C. C



D. D



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Q55 General Intelligence and Reasoning

Select the lateral mirror image of B62C34.

B62C34	4ECS38	B62C34	4ECS38
A	B	C	D

A. A

B. B

C. C

D. D

General Science

25 Questions • Answer Key

Q56 General Science HINDI - no English version saved

एक वस्तु 4 s में 20 m और फिर 2 s में अगले 15 m की यात्रा करती है। वस्तु की औसत चाल कितनी है?

A. 5.84 m

B. 5.84 ms⁻¹

C. 5.84 s⁻¹

D. 5.83 ms⁻¹

Q57 General Science HINDI - no English version saved

एक वस्तु 4 s में 21 m और फिर 2 s में अगले 15 m की यात्रा करती है। वस्तु की औसत चाल कितनी है?

A. 6.00 m

B. 6.00 ms⁻¹

C. 6.00 s⁻¹

D. 6.00 ms¹



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Q58 General Science

The product of mass and acceleration = _____

- A. Thrust
- B. Pressure
- C. Force
- D. Velocity



Q59 General Science HINDI - no English version saved

भूतल से 6 m ऊपर स्थित 10 kg द्रव्यमान की वस्तु में निहित ऊर्जा _____ होगी ($g = 9.8 \text{ms}^{-2}$)

- A. 5.88 J
- B. 58.8 J
- C. 588 J
- D. 5,880 J



Q60 General Science HINDI - no English version saved

द्रव्यमान और वेग का गुणनफल क्या कहलाता है?

- A. बल
- B. संवेग
- C. दाब
- D. उत्क्षेप



Q61 General Science HINDI - no English version saved

सोडियम कार्बोनेट का आणविक द्रव्यमान _____ होता है।

- A. 106
- B. 104
- C. 105
- D. 115



Q62 General Science HINDI - no English version saved

दाब की SI इकाई है:

A. न्यूटन

B. जूल

C. पास्कल



D. डाइन

Q63 General Science

The speed of sound is fastest in:

A. Steel



B. Water

C. Air

D. Kerosene oil

Q64 General Science HINDI - no English version saved

यदि किसी दर्पण की फोकस लंबाई +15 है, तो यह है:

A. डबल लेंस

B. समतल दर्पण

C. उत्तल दर्पण



D. अवतल दर्पण

Q65 General Science HINDI - no English version saved

धातु में एक मुक्त इलेक्ट्रॉन के पथ का आकार होता है:

A. वृत्ताकार

B. सीधी रेखा

C. वक्र



D. वर्गाकार



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Q66 General Science

A battery of 12 V is connected in series with resistors of 0.2 ohm, 0.3 ohm, 0.4 ohm, 0.5 ohm and 12 ohm. How much current would flow through the 0.3 ohm resistor?

A. 0.798 A

B. 0.895 A

C. 0.879 A

D. 0.795 A

Q67 General Science HINDI - no English version saved

_____ परमाणु का आयतन सबसे कम होता है।

A. He

B. Si

C. P

D. S

Q68 General Science

In modern periodic table, a zigzag line separates _____.

A. metals from halogens

B. metals from metalloids

C. non-metals from metalloids

D. metals from non-metals

Q69 General Science

The mass of 0.6 mole of nitrogen is:

A. 168 g

B. 16.8 g

C. 1.68 g

D. 0.168 g



Q70 General Science

A catalyst is a substance that:

- A. Slows the reaction
- B. Releases the reactants
- C. Speeds up the reaction ✓
- D. Neutralises the equation reaction

Q71 General Science HINDI - no English version saved

निष्क्रिय विलयन का pH मान होता है:

- A. 4
- B. 5
- C. 6
- D. 7 ✓

Q72 General Science

_____ is the most abundant element in the Sun's atmosphere.

- A. Helium
- B. Oxygen
- C. Neon
- D. Hydrogen ✓

Q73 General Science

_____ is not an allotropic form of carbon.

- A. Graphite
- B. Coal ✓
- C. Fullerene
- D. Diamond



Q74 General Science

Pick the correct statement from the following.

- A. Cu, Au and As are coinage metals
- B. Sc, Fr, Hg, Ga and Br are liquid elements
- C. Scandium is the lightest metal
- D. He has maximum ionisation potential



Q75 General Science HINDI - no English version saved

_____ प्रकृति में विद्युतघनात्मक होती हैं।

- A. अधातुएं
- B. अर्ध-धातुएं
- C. धातुएं
- D. उपधातुएं



Q76 General Science

The phloem in the plants does the function of:

- A. Mineral movement
- B. Providing support to stem
- C. Conduction of water
- D. Conduction of food



Q77 General Science

_____ tissue is composed of dead cells.

- A. Parenchyma
- B. Collenchyma
- C. Sclerenchyma
- D. Aerenchyma



Q78 General Science

Rings of _____ are present in the throat.

- A. ligament
- B. cartilage
- C. tendons
- D. areolar



Q79 General Science HINDI - no English version saved

जीवाश्मों के अध्ययन को क्या कहा जाता है?

- A. जीवाश्म विज्ञान
- B. वर्गीकरण
- C. पुरावनस्पति शास्त्र
- D. पुराजैविकी



Q80 General Science

The development of a child inside the mother's (in case of human beings) body takes approximately _____ months.

- A. 7
- B. 8
- C. 9
- D. 10



General Awareness and Current Affairs

20 Questions • Answer Key

Q81 General Awareness and Current Affairs

The Society for National Institute of Physical Education and Sports (SNIPES) was merged with Sports Authority of India (SAI) in the year:

- A. 1983
- B. 1985
- C. 1987
- D. 1989



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Q82 General Awareness and Current Affairs

Apart from Virender Sehwag, which of the following Indian cricketers has the distinction of scoring triple centuries in Test matches?

- A. Virat Kohli
- B. Rahul Dravid
- C. Karun Nair
- D. K. L. Rahul



Q83 General Awareness and Current Affairs

_____ was constituted by the Central Government with a view to mobilising resources from the government as well as non-governmental sources, including the private/corporate sector and non-resident Indians, for promotion of sports and games in India.

- A. Khel Ratna Fund
- B. National Sports Development Fund
- C. Khelo India Fund
- D. Indian Sports Development Fund



Q84 General Awareness and Current Affairs

Debanjan Nandy's animation film, based on the concept of the emotional bond of an old man with the shadow of his wife, is titled:

- A. My Shadow
- B. Chhaya
- C. Old Shadow
- D. Wherever I go, you come with me



Q85 General Awareness and Current Affairs

Which actor's autobiography is titled as 'Khullam Khulla'?

- A. Raj Kapoor
- B. Ranbir Kapoor
- C. Rajiv Kapoor
- D. Rishi Kapoor



2017 में रिलीज़ हुई फिल्म 'बाहुबली-2' के निर्देशक कौन हैं?

- A. संजय लीला भंसाली
- B. राज कुमार हिरानी
- C. त्रिविक्रम श्रीनिवास
- D. एस.एस. राजमौली



भारत के प्रथम मुस्लिम राष्ट्रपति कौन थे?

- A. वी.वी. गिरी
- B. डॉ. ए.पी.जे. अब्दुल कलाम
- C. डॉ. जाकिर हुसैन
- D. डॉ. फकरुद्दीन अली अहमद



Illaiyaraja received the ____ award for his contribution to the field of Art-Music in 2018.

- A. Padma Vibhushan
- B. Padma Bhushan
- C. Padma Shri
- D. Sahitya Akademi



Who has become the first Indian brand ambassador of Laureus?

- A. John Abraham
- B. Yuvraj Singh
- C. Sachin Tendulkar
- D. Shahrukh Khan



Q90 General Awareness and Current Affairs

The power regarding creation of new All India Services lies with:

- A. The Speaker of Lok Sabha
- B. The Rajya Sabha
- C. The Lok Sabha
- D. The Parliament



Q91 General Awareness and Current Affairs

National Development Council (NDC) was established in the year:

- A. 1952
- B. 1953
- C. 1954
- D. 1956



Q92 General Awareness and Current Affairs

In 2017, which state police launched the 'Tare Zameen Par' programme to enlighten children in Naxal-affected areas?

- A. Uttar Pradesh
- B. Jharkhand
- C. Delhi
- D. Karnataka



Q93 General Awareness and Current Affairs

'Right to Privacy' is an integral part of which of the following sections of the Constitution of India?

- A. Fundamental Rights
- B. Directive Principles
- C. Fundamental Duties
- D. Citizenship



Q94 General Awareness and Current Affairs HINDI - no English version saved

27 अक्टूबर 1605 को, फतेहपुर सिकरी में _____ की मृत्यु हुई थी, जिन्हें आगरा के सिकंदरा में दफनाया गया था।

- A. सम्राट शाहजहाँ
- B. सम्राज्ञी मुमताज़ महल
- C. सम्राट हुमायूँ
- D. सम्राट अकबर



Q95 General Awareness and Current Affairs

_____ built many inns, mosques and laid down the network of roads the most famous among them being : The Grand Trunk Road.

- A. Emperor Akbar
- B. Emperor Sher Shah Suri
- C. Emperor Aurangzeb
- D. Emperor Humayun



Q96 General Awareness and Current Affairs

Which of the following river does NOT originate in India?

- A. Koel
- B. Brahmani
- C. Brahmaputra
- D. Sankh



Q97 General Awareness and Current Affairs

The _____ divides Indian landmass into almost two equal halves.

- A. Prime Meridian
- B. Equator
- C. Tropic of Capricorn
- D. Tropic of Cancer



Q98 General Awareness and Current Affairs

Who among the following formulates the monetary policy of the Government of India?

- A. President
- B. Prime minister
- C. Finance minister
- D. Governor of RBI



Q99 General Awareness and Current Affairs

Project 'Sashakt' was recently (in July 2018) launched by which union minister?

- A. Home Minister
- B. Defense Minister
- C. Agriculture Minister
- D. Finance Minister



Q100 General Awareness and Current Affairs

To expedite the government's disinvestment program, the second Exchange Traded Fund called ____ was launched by the Union Finance Ministry.

- A. Bharat 2022
- B. Bharat 24
- C. Bharat 20
- D. Bharat 22



Mathematics

25 Questions • Answer Key

Q1 Mathematics

Evaluate the following expression:

$$28 - 2(20 + 12 \div 4 \times 3 - 2 \times 2) + 22 = ?$$

A. 2

B. -2

C. 0



D. 4

Q2 Mathematics

Evaluate: $35 - 42 \div 6 + 13 \times 2 = ?$

A. 33

B. 54



C. 1

D. -10

Q3 Mathematics

Find the number between 300 and 500 which will be exactly divisible by 6, 8, 10 and 12:

A. 340

B. 490

C. 320

D. 360



Q4 Mathematics

Simplify using BODMAS rule:

$$11 - [2 \times 9 - \{12 \div (7 - 2 + 1)(13 - 11)\}] = ?$$

A. -6



B. -5

C. -5.5

D. -4



Q5 Mathematics

Solve the below equation.

$$34.508 + 3.4508 + 345.08 - 32.89 = ?$$

A. 320.1488

B. 355.1488

C. 450.1488

D. 350.1488



Q6 Mathematics

What is the difference between the place value of the two 3's in 935071360?

A. 29999701

B. 29999700



C. 29999600

D. 29999400

Q7 Mathematics

x and y , given correct to 2 decimal place, are given as 3.57 and 3.42 respectively. What is the upper bound of the value of $x + y$?

A. 7.000



B. 6.990

C. 6.995

D. 7.010

Q8 Mathematics

What is the greatest number smaller than 5000 which, when divided by 5, 6 and 7 respectively, leaves remainders of 4, 5 and 6?

A. 4831

B. 4830

C. 4829



D. 4845



Q9 Mathematics

Deepa bought a set of cups for ₹ 185, but then had to sell it later for ₹ 170.2 to clear old stocks. What is the percentage of loss that she had to bear?

- A. 14
- B. 7
- C. 16
- D. 8



Q10 Mathematics

₹ 5,100 is to be divided among A and B in the ratio of 8:9. The share of B will exceed that of A by:

- A. ₹ 300
- B. ₹ 200
- C. ₹ 250
- D. ₹ 350



Q11 Mathematics

Mr. X invested ₹ 300 for three years at a simple interest rate of 11.03%. How much should Mr. Y invest to get the same return after three years, but at a compound interest rate of 10%?

- A. ₹ 250
- B. ₹ 300
- C. ₹ 350
- D. ₹ 400



Q12 Mathematics

By reducing the price of an article by 20%, the sale increase by 20%, what is the effect on the revenue earned?

- A. 4% increase
- B. 4% reduce
- C. 5% increase
- D. 5% reduce



Q13 Mathematics

A can complete a task alone in 12 days, while B takes 16 days to do it by herself. Together with C it takes them 6 days to complete the task. If C and D together can do the work in 30 days, then how many days will D need to complete the task by herself?

- A. 90
- B. 75
- C. 84
- D. 80

**Q14** Mathematics

A student travels 420 km in 7 hours. He travels for some time @ 75 km/hr and the rest of the time @ 55 km/hr. How long did he travel at the higher speed?

- A. 1 hour 25 mins
- B. 1 hour 45 mins
- C. 1 hour 35 mins
- D. 1 hour 15 mins

**Q15** Mathematics

A contractor decides to build a house in 30 days. He employed 50 men in the beginning and 50 more after 25 days and completed the construction in stipulated time. If he had not employed the additional men, how many more days would be required to complete the work?

- A. 30 days
- B. 35 days
- C. 40 days
- D. 45 days

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q16 Mathematics

What is 46% of 250?

- A. 92
- B. 126.5
- C. 115
- D. 103.5



Q17 Mathematics

A tank can be filled by tap A in 15 h and B can fill the same in 24 h. Tap C can empty the filled tank in 30 h. If all the three taps are opened simultaneously, how much time will be taken to fill the tank completely?

A. $\frac{40}{3}$ h



B. $\frac{67}{7}$ h

C. $\frac{40}{7}$ h

D. 3 h

Q18 Mathematics

The length of each of the sides of a rhombus is given as 30 m and the length of one of its diagonals is 36 m. Find the area of the rhombus.

A. 840 m^2

B. 856 m^2

C. 864 m^2



D. 860 m^2

Q19 Mathematics

The middle portion of a solid object has the shape of a right circular cylinder (length = 14 cm). One end of the cylinder is a right circular cone and the other end is hemispherical. The radius of all three shapes is 3 cm. If the total length of the cylindrical object including the cone and the hemisphere is 21 cm, find out the total surface area of the solid object in cubic centimeter.

A. 115π

B. 117π



C. 119π

D. 121π

Q20 Mathematics

Sohrab started his journey at 5:24:37 p.m. and reached his destination at 7:34:48 p.m. Bheema started the same journey 48 minutes 23 seconds after Sohrab and reached the same destination 40 minutes 12 seconds after him. How long did Bheema take to complete the journey?

A. 2 hours 2 minutes



B. 2 hours 1 minutes 12 seconds

C. 1 hour 59 minutes

D. 2 hours 2 seconds



Q21 Mathematics

$$\frac{\cot 45^\circ}{1 + \sin 45^\circ} + \frac{1 + \sin 45^\circ}{\cot 45^\circ} = ?$$

A. $3 - \frac{\sqrt{2}}{2}$



B. $\sqrt{2}$

C. $-\frac{\sqrt{2}}{2}$

D. $3 - 2\sqrt{2}$

Q22 Mathematics

If a polyhedron has 10 faces and 23 edges, then the number of vertices are _____.

A. 14

B. 15



C. 16

D. 11

Q23 Mathematics

The scores of Rahul Sharma in ten consecutive innings are first ten natural numbers respectively. Find the mean of the above data?

A. 5.5



B. 5

C. 6

D. 6.5

Q24 Mathematics

If $a+b+c=0$, find the value of $\frac{a^2+b^2+c^2}{a^2-bc}$

A. 2



B. 0

C. 4

D. 5



Q25 Mathematics

The sum of the values of all the six trigonometric ratios when the angle $\alpha = 45^\circ$ is:

- A. 6
- B. $2 + 3\sqrt{2}$
- C. $2 + 4\sqrt{2}$
- D. $\frac{6+3\sqrt{2}}{2}$

**General Intelligence and Reasoning**

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

Four words have been given below of which three are alike in some way and one is different. Choose the odd one out.

- A. Eagle
- B. Parrot
- C. Swan
- D. Rabbit

**Q27** General Intelligence and Reasoning

Choose the only person who does not belong to the group.

- A. Virat Kohli
- B. Sachin Tendulkar
- C. M.S.Dhoni
- D. Sudha Chandran

**Q28** General Intelligence and Reasoning

Pointing at a photograph, Divya says "He is the only son of my maternal grandmother". Whom Divya is pointing at?

- A. Her maternal uncle
- B. Her paternal uncle
- C. Her brother
- D. Her father



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Q29 General Intelligence and Reasoning

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statements:

- I. All bends are curves.
- II. All curves are dangerous.

Conclusions:

- 1. All bends are dangerous.
- 2. Some curves are bends.

- A. Conclusion 1 alone follows.
- B. Both 1 and 2 follows.
- C. Conclusion 2 alone follows.
- D. Neither 1 nor 2 follows.



Q30 General Intelligence and Reasoning

Select the term that relates to the third term in the same way as the second term relates to the first term.

Heart: Cardiologist :: Bone : ?

- A. Orthocare
- B. Dermatologist
- C. Orthopaedist
- D. Orthodontist



Q31 General Intelligence and Reasoning

If X is Y's sister, Z is Y's mother, W is Z's father, Y is NOT X's sister, then Y is X's _____.

- A. niece
- B. cousin
- C. brother-in-law
- D. brother



Q32 General Intelligence and Reasoning HINDI - no English version saved

नीचे दिये गये कथन का उसके बाद दिये गये तर्क I और II द्वारा अनुसरण किया गया है। आपको तय करना है कि निम्नलिखित तर्कों में से कौन सा एक मजबूत तर्क है।

कथन: क्या बच्चों को कोक पीने की अनुमति दी जानी चाहिए?

तर्क:

- I. हां, कोक एक ऊर्जावर्धक उत्पाद है और बच्चों को कोक काफी पसंद है।
- II. नहीं, किभी भी गैस से भरे हुए पेय में बच्चे के विकास के लिए आवश्यक पर्याप्त पोषक तत्व नहीं होते हैं।

A. केवल तर्क I मजबूत है।

B. केवल तर्क II मजबूत है।

C. न तो I और न ही II मजबूत है।

D. I और II दोनों ही मजबूत है।

Q33 General Intelligence and Reasoning HINDI - no English version saved

नीचे दिये गये कथन का उसके बाद दिये गये तर्क I और II द्वारा अनुसरण किया गया है। आपको तय करना है कि निम्नलिखित तर्कों में से कौन सा एक मजबूत तर्क है।

प्रश्न:

क्या कंप्यूटर विज्ञान को विद्यालय में अनिवार्य विषय बनाना चाहिए?

तर्क:

1. हां, हमें अंतरराष्ट्रीय स्तर पर प्रतिस्पर्धा करने की आवश्यकता है, जिसके लिए कंप्यूटर का अध्ययन आवश्यक है।
2. नहीं, कंप्यूटर हर किसी की जरूरत नहीं है।

A. केवल तर्क 1 मजबूत है।

B. केवल तर्क 2 मजबूत है।

C. 1 और 2 दोनों मजबूत हैं।

D. न तो 1 और न 2 मजबूत है।



Q34 General Intelligence and Reasoning

In the following question the symbols #, @, *, %, S are used with the following meaning.

$M \% N$ means 'M is greater than N'.

$M * N$ means 'M is equal to N'.

$M S N$ means 'M is smaller than N'.

$M \# N$ means 'M is either smaller than or equal to N'.

$M @ N$ means 'M is either greater than or equal to N'.

Read the given statement(s) and conclusions carefully, and select which of the conclusions logically follow(s) from the statement(s)

Statements:

$P \# R$, $M * P$, $L S M$, $R \% V$

Conclusions:

I. $R @ M$

II. $V \% M$

A. Only conclusion I follows



B. Only conclusion II is follows

C. Either conclusion I or II follows

D. Neither conclusion I nor II follows

Q35 General Intelligence and Reasoning HINDI - no English version saved

कथन और निम्नलिखित तर्कों पर विचार करें और निर्णय लें कि कथन के संबंध में कौन तर्क मजबूत है।

कथन:

क्या सरकार, स्थानीय प्राधिकरण और नागरिक शहर के वायु प्रदूषण की जांच में सहयोग कर सकते हैं?

तर्क:

- I. हां, संयुक्त रूप से उन्हें समाधान के साथ आना चाहिए, क्योंकि यह शहर में रहने वाले हर किसी को प्रभावित करता है।
- II. नहीं, स्वच्छ हवा सुनिश्चित करने के लिए सरकार की जिम्मेदारी ही है।

A. केवल तर्क I मजबूत है।



B. केवल तर्क II मजबूत है।

C. तर्क I और II दोनों मजबूत हैं।

D. न तो I और न ही II मजबूत है।



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Q36 General Intelligence and Reasoning

Find the next number in the series

16, 19, 24, 31, 40, ?

A. 62

B. 50

C. 51



D. 63

Q37 General Intelligence and Reasoning

If + means $\div$, - means +, $\times$ means - and $\div$ means $\times$, then what is the value of $19 \div 10 - 36 + 6$?

A. 196



B. 200

C. 187

D. 199

Q38 General Intelligence and Reasoning

What comes next in the given series 8E, 14 H, 20 K, 26 N, ?

A. 35 W

B. 25 J

C. 30 T

D. 32 Q



Q39 General Intelligence and Reasoning

Complete the alphabet series, _____, DED, _____, HIH, JKJ.

A. CBC, IJI

B. CBC, HJH

C. CDC, JHJ

D. BCB, FGF



Q40 General Intelligence and Reasoning

Read the given question and decide which of the following statements is/are sufficient to answer the question.

Question:

L, J, K and N are standing according to ascending order of their heights. Who is standing last?

Statements:

1. L is taller than K and N.
2. J is taller than L.

A. Both the statements together are sufficient.



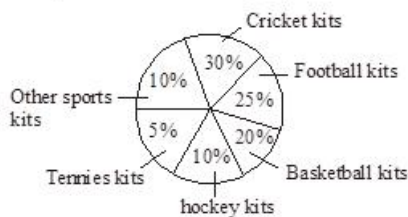
B. Both the statements are insufficient.

C. Statement 1 alone is sufficient.

D. Statement 2 alone is sufficient.

Q41 General Intelligence and Reasoning

The following pie diagram shows information on sale of sports kits by company XYZ. The total revenue made during the year 2016 is \$36,82,000.



How much revenue was made by company “XYZ” in 2016 through “Cricket kits” sales (in \$)?

A. 1,38,075

B. 2,76,150

C. 5,52,300

D. 11,04,600



Q42 General Intelligence and Reasoning

Consider the following question and decide which of the statements is sufficient to answer the question.

Question:

How many classrooms does the college have?

Statements:

1. Each block has 10 classrooms, which is equal to the total number of buildings in the college.
2. Each building has 4 blocks.

- A. Statement 1 alone is sufficient while statement 2 alone is not sufficient
- B. Statement 2 alone is sufficient while 1 statement alone is not sufficient
- C. Either statement 1 or 2 alone is sufficient
- D. Both statements 1 and 2 together are sufficient ☒

Q43 General Intelligence and Reasoning

A chain of tea kiosks installed in different areas yield sales as shown in the following table.

	Sales in lakhs
Area 1	3
Area 2	5
Area 3	8
Area 4	12

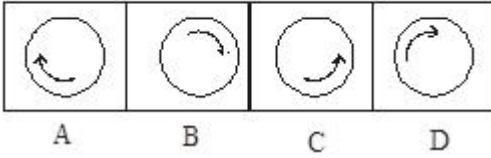
Compared with Area 3, Area 4 has:

- A. 25% more sales
- B. 25% less sales
- C. 50% more sales ☒
- D. 20% more sales



Q44 General Intelligence and Reasoning

Find the Odd one out:



A. A

B. B

C. C

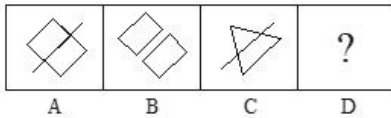


D. D

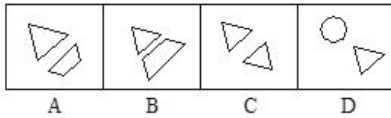
Q45 General Intelligence and Reasoning

Find the missing figure for the given series:

Problem figures:



Answer figures:



A. A

B. B



C. C

D. D



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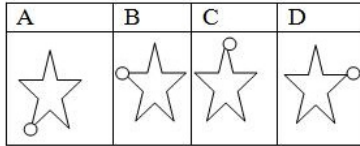
Q46 General Intelligence and Reasoning

Select the option figure that will complete the series of question figures.

Question figures:



Option Figures:



A. A



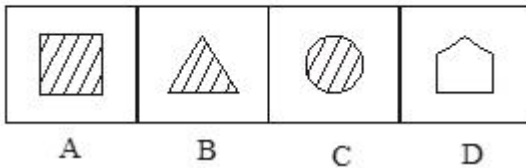
B. D

C. C

D. B

Q47 General Intelligence and Reasoning

Find the odd one out:



A. A

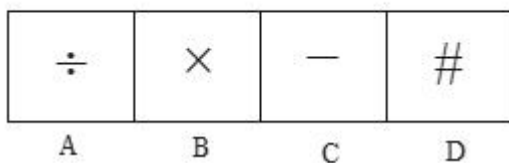
B. B

C. C

D. D

**Q48** General Intelligence and Reasoning

Find the odd one out:



A. A

B. B

C. C

D. D

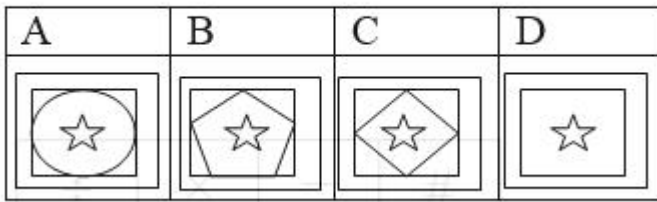


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Q49 General Intelligence and Reasoning

Find the odd one out:



A. A

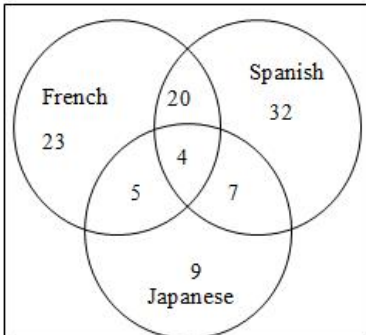


B. B

C. C

D. D

Q50 General Intelligence and Reasoning



The diagram represents the number of students in a class who study 3 languages

The total number of students studying in the class is?

A. 100



B. 101

C. 64

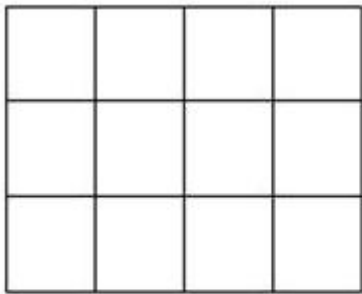
D. 45



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Q51 General Intelligence and Reasoning



How many squares are there in the above figure?

A. 22

B. 25

C. 20



D. 18

Q52 General Intelligence and Reasoning

A group of 150 employees of a firm were asked whether they know three of the new technologies the company is going to introduce in work. 50 responded that they know software 1 and 2, 30 responded that they know software 2 and 3 and 90 responded that they know software 1 and 3. 20 responded that they know all the three software. How many know exactly one software?

A. 24

B. 25

C. 27

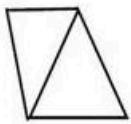
D. 20



Q53 General Intelligence and Reasoning



The above figure is embedded in any of these four figures. The correct picture containing the above picture is:



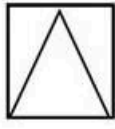
A



B



C



D

A. A

B. B

C. C



D. D

Q54 General Intelligence and Reasoning

Mr. X runs a marathon starting from the point A he runs 5 km towards north and reach point B, then turns right runs 6 km reach point C, then turn right runs 8 km and reach point D, then turns right runs 10 km and reach point E, then turns right runs 6 km and reach point F, then turns right runs 1 km and reach point G, then turns right runs 3 km and reach point H.

The shortest distance between point G and A is:

A. $2\sqrt{3}$

B. $\sqrt{6}$

C. $3\sqrt{2}$



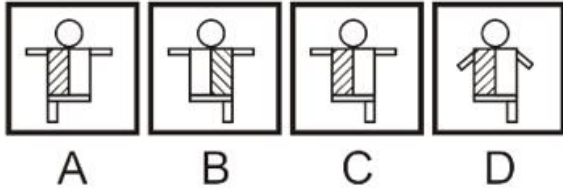
D. 6



Q55 General Intelligence and Reasoning



The mirror image of the above figure is:



A. A

B. B

C. C

D. D



General Science

25 Questions • Answer Key

Q56 General Science

The SI unit of Momentum is _____.

A. Newton

B. Kg ms^{-1}

C. Kg ms^{-2}

D. Dyne



Q57 General Science

When a body is immersed in water, an upward force acts on it. What is this force called?

A. Force of Friction

B. Force of Gravity

C. Force of Buoyancy

D. Force of Gravitation



Q58 General Science

The mass of object on the Earth is 60 Kg. What is its mass on the Moon?

A. 10Kg

B. 60Kg



C. 60N

D. 10N

Q59 General Science

A body of mass 1 kg is moved towards East with a uniform speed of 2 m/s. A force of 1.5N is applied to it towards North. The magnitude of displacement of body after 2 seconds is:

A. 5 m



B. 4 m

C. - 5 m

D. 3 m

Q60 General Science

Find the potential difference when the current is 10 A and the resistance is 50 ohms.

A. 5 V

B. 500 V



C. 500 Ohm

D. 50 V

Q61 General Science

A boy, of mass 50 kg, runs up a staircase of 40 steps in 10 s. If the height of each step is 15 cm, find his power. Take $g = 10 \text{ ms}^{-2}$

A. 337.5 W

B. 300 J

C. 300 W



D. 300 ms



Q62 General Science

The energy possessed by an object because of its position or shape is called _____.

- A. static energy
- B. potential energy
- C. kinetic energy
- D. latent energy

Q63 General Science

Which of the following statements is/are true/false about speed of sound in different media at 25°C?

- A. In water (sea), the speed of sound is 1531 m/s.
- B. In water (distilled), the speed of sound is 1498 m/s

- A. Only A is true
- B. Only B is true
- C. Both A and B are true
- D. Neither A nor B is true

Q64 General Science

When an object is _____ of a convex lens, the nature of the image is enlarged, virtual and erect

- A. At infinity
- B. At 2F1
- C. Between F1 and O
- D. At F1

Q65 General Science

The SI unit of resistivity is:

- A. Ohm·m
- B. Ohm
- C. Ampere
- D. Joule



Q66 General Science

How much work is done in moving a charge of 5 C across two points having a potential difference of 14 V?

- A. 44 J
- B. 48 J
- C. 14 J
- D. 70 J



Q67 General Science

Group 1 elements are called _____.

- A. Alkali metals
- B. Noble gases
- C. Halogens
- D. Alkaline earth metals



Q68 General Science

The word 'mole' was introduced around 1896 by:

- A. John Dalton
- B. Wilhelm Ostwald
- C. Joseph Proust
- D. Maharishi Kanad



Q69 General Science

At what temperature can water be in both, liquid and gaseous state?

- A. 0° C
- B. 105° C
all candidates.
- C. 100° C
- D. 273° C

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).



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Q70 General Science

_____ is NOT a photochemical reaction.

- A. Photography
- B. Photosynthesis
- C. Free radical chlorination of methane
- D. Synthesis of ammonia from nitrogen and hydrogen



Q71 General Science

Which of the following statements is/are true?

- A. A balanced chemical equation has an equal number of formula of different elements in the reactants and products.
- B. An unbalanced chemical equation has an unequal number of atoms of one or more elements in the reactants and products.

- A. Only A is true
- B. Only B is true
- C. A and B are both true
- D. A and B are both false



Q72 General Science

What is the property of a metal having a shining surface called?

- A. Hardness
- B. Ductility
- C. Malleability
- D. Metallic lustre



Q73 General Science

Which of the following statements is/are true?

- A. Out of 114 elements, 32 are non-metals, and others are metals.
- B. Every ore is a mineral but every mineral is not an ore

- A. Only A is true
- B. Only B is true
- C. A and B are both true
- D. A and B are both false



Q74 General Science

Which element has the maximum melting and boiling point?

- A. Gold
- B. Osmium
- C. Lithium
- D. Tungsten



Q75 General Science

What is the characteristic of Rare Earth Elements?

- A. Their one outermost shell is incomplete.
- B. Their two outermost shells are incomplete.
- C. Their three outermost shells are incomplete.
- D. Their outermost shell is complete.



Q76 General Science

Gymnosperms are often referred to as having _____ type of seeds because they do not have flowers, and their seeds develop on the surface of the reproductive structures of the plants, rather than being contained in a specialised ovary.

- A. naked
- B. winged
- C. non-motile male gametes
- D. true traits



Q77 General Science

Which of the following is a non-vascular plant?

- A. Marsilea
- B. Fern
- C. Chara
- D. Deodar



Q78 General Science

Endocrine glands are also known as:

- A. Hepatic gland
- B. Thyroid Gland
- C. Ductless Gland
- D. Pituitary Gland



Q79 General Science

New individual develops from buds:

- A. Paramecium
- B. Bacteria
- C. Amoeba
- D. Hydra



Q80 General Science

Pollination is a characteristic of plants from the group:

- A. Angiosperm
- B. Allogamy
- C. Bryophytes
- D. Pteridophytes



General Awareness and Current Affairs

20 Questions • Answer Key

Q81 General Awareness and Current Affairs

Which team won the 2018 ICC Under-19 Cricket World Cup tournament?

- A. India
- B. Pakistan
- C. New Zealand
- D. Australia



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Q82 General Awareness and Current Affairs

Who among the following was awarded with the Arjuna Award 2017, in the category of archery?

A. Jyothi Surekha Vennam



B. Deepika Kumari

C. Dola Banerjee

D. Jayanta Talukdar

Q83 General Awareness and Current Affairs

Vijay Hazare Trophy held annually is associated with which of the following sports?

A. Wrestling

B. Shooting

C. Cricket



D. Tennis

Q84 General Awareness and Current Affairs

Who was selected for the fifth Yash Chopra Memorial Award?

A. Shah Rukh Khan

B. Amitabh Bachchan

C. Karan Johar

D. Asha Bhonsle



Q85 General Awareness and Current Affairs

Who was awarded the 2016 Sangeet Natak Akademi Puraskar?

A. Satyabrata Rout



B. AV Narasimha Murthy

C. Soumitra Chatterjee

D. K Vishwanath



Q86 General Awareness and Current Affairs

Who among the following has compiled the book “Mricchakatika” in ancient India?

- A. Kalhana
- B. Banabhatta
- C. Vikramadeva
- D. Sudraka



Q87 General Awareness and Current Affairs

In which year was Sachin Tendulkar awarded the Bharat Ratna?

- A. 2013
- B. 2014
- C. 2015
- D. 2016



Q88 General Awareness and Current Affairs

Who recently won the ‘Sahitya Akademi Bhasha Samman Award’ for their contribution to Magahi Language?

- A. Sri Harihar Vaishnav
- B. Sri Visvanatha Satyanarayana
- C. Shesh Anand Madhukar
- D. Smt. T. S. Saroja Sundararajan



Q89 General Awareness and Current Affairs

The Prime Minister of India has recently announced the launching of an App that will convert mobile phones in to ‘banks’. Identify the financial app named after a Pandava Prince.

- A. DHARMA
- B. ARJUN
- C. BHIM
- D. NAKUL



Q90 General Awareness and Current Affairs

Navjot Singh Sidhu recently joined which political party?

- A. Aam Aadmi Party
- B. Bahujan Samaj Party
- C. Bharatiya Janta Party
- D. Indian National Congress



Q91 General Awareness and Current Affairs

Which scheme has the Union Cabinet approved with a focus on doctoral students pursuing research in areas related to technology?

- A. Technical Research Fellows (TRF) Scheme
- B. Medical Research Fellows (MRF) Scheme
- C. Medical Technology Research Fellows (MTRF) Scheme
- D. Prime Minister's Research Fellows (PMRF) Scheme



Q92 General Awareness and Current Affairs

Which union ministry launched India's first digital online oncology tutorial series?

- A. Ministry of Tribal Affairs
- B. Ministry of Women and Child Development
- C. Ministry of Health and Family Welfare
- D. Ministry of AYUSH



Q93 General Awareness and Current Affairs

As of August 2018, who is the chief minister of Meghalaya?

- A. Conrad Sangma
- B. Yogi Adityanath
- C. Mukul Sangma
- D. Mamata Banerjee



Q94 General Awareness and Current Affairs

The first Muslim dynasty to rule over the subcontinent for about 84 years was the _____.

- A. Slave Dynasty ☒
- B. Tughlaq Dynasty
- C. Mughal Dynasty
- D. Khalji Dynasty

Q95 General Awareness and Current Affairs

The caves of Ajanta and Ellora are among the finest examples of some of the earliest _____ architecture, cave paintings and sculpture.

- A. Hindu
- B. Jain
- C. Buddhist ☒
- D. Rajput

Q96 General Awareness and Current Affairs

The Paithan (Jayakwadi) Hydro-electric project, completed with the help of Japan, is on the river _____.

- A. Narmada
- B. Mahanadi
- C. Krishna
- D. Godavari ☒

Q97 General Awareness and Current Affairs

Kathakali, is a classical dance-drama of _____.

- A. Andhra Pradesh
- B. Tamil Nadu
- C. Kerala ☒
- D. Manipur



Q98 General Awareness and Current Affairs

The headquarters of World Health organization (WHO) are located in:

- A. USA
- B. South Africa
- C. France
- D. Switzerland



Q99 General Awareness and Current Affairs

Which of the following schemes was introduced by the Government of India to accelerate the Financial Inclusion?

- A. Krishi Vikas Yojana
- B. Krishi Sinchai Yojana
- C. Gram Jyoti Yojana
- D. Jan Dhan Yojana



Q100 General Awareness and Current Affairs

Which of the following airports won the 'Golden Peacock Award for Corporate Social Responsibility (CSR)' in the transportation sector under the Aviation category for the year 2016?

- A. Trivandrum International Airport
- B. Delhi International Airport (Private) Limited
- C. Goa International Airport
- D. Kempegowda International Airport



Mathematics

25 Questions • Answer Key

Q1 Mathematics

For a number to be divisible by 8, the last digit must be =?

A. 4



B. 3

C. 1

D. 5

Q2 Mathematics

The LCM and HCF of two numbers are 68 and 5, respectively. If one number is 20, what is the other number?

A. 14

B. 15

C. 17

D. 19

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q3 Mathematics

The LCM of 36, 27 and 72 is:

A. 108

B. 216



C. 324

D. 432

Q4 Mathematics

Evaluate:

$$36 \div \frac{1}{4}$$

A. 9

B. Reciprocal of 9

C. 144



D. Reciprocal of 144



Q5 Mathematics

If $\sqrt{1296} = (?)^2$, then the value of (?) is:

A. 8

B. 6



C. 18

D. 12

Q6 Mathematics

$\sqrt{\frac{?}{3136}} = \frac{1}{2}$ Find the value of ?

A. 784



B. 56

C. 28

D. 1568

Q7 Mathematics

Shalini, Tanvir and Rashid shared a cake. Shalini had $\frac{1}{6}$ of it, Tanvir had $\frac{1}{4}$ of it and Rashid had the rest. What was Rashid's share of the cake?

A. $\frac{13}{15}$

B. $\frac{7}{12}$



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

D. $\frac{3}{5}$

Q8 Mathematics

If $\sqrt{50} + \sqrt{128} = \sqrt{N}$, what is the value of N?

A. 26

B. 182

C. 338



D. 390



Q9 Mathematics

In a company, 12 employees can make 111 candles in the given time. How many people are to be employed to make 148 candles in the same time?

- A. 12 people
- B. 10 people
- C. 16 people
- D. 18 people

**Q10 Mathematics**

If $5 : 9 :: x : 27$, then $x = ?$

- A. 3
- B. 15
- C. 18
- D. 6

**Q11 Mathematics**

A man sold two bicycles at a total profit of 20%. If he had bought them for ₹ 3,500 each and sold the first one at a profit of 5%, then for how much profit (%) he must make on the other one?

- A. 20%
- B. 25%
- C. 30%
- D. 35%

**Q12 Mathematics**

The cost prices of two items are ₹ 200 and ₹ 600. A shopkeeper gets a profit of ₹ 300 by selling both. If the shopkeeper sells the first item at a 30% profit, then at what profit does he sell the second item?

- A. 50%
- B. 30%
- C. 40%
- D. 20%



Q13 Mathematics

Distribute ₹ 400 among 6 men, 12 women and 17 boys in such a way that 2 men get equal amount as 5 boys and 2 women get equal amount as 3 boys. How much money was given to one man, one woman and one boy?

A. ₹45

B. ₹40



C. ₹50

D. ₹38

Q14 Mathematics

Divide ₹ 6600 into two parts so that the simple interest on the first part for 3 years at 10% per annum is equal to the simple interest on the second part for 4 years at 9% per annum.

A. ₹ 3600, ₹ 3000



B. ₹ 4000, ₹ 2600

C. ₹ 5000, ₹ 1600

D. ₹ 6000, ₹ 600

Q15 Mathematics

A train overtakes two persons who are walking in the same direction of train movement at the rate of 2 km/h and 4 km/h and passes them completely in 9 and 10 second respectively. Find the speed and the length of the train.

A. 22 km/h, 50 m



B. 32 km/h, 50 m

C. 22 km/h, 80 m

D. 32 km/h, 80 m

Q16 Mathematics

36% of 325 is:

A. 128

B. 108

C. 144

D. 117



Q17 Mathematics

Let V be the volume of a cube. If its edge is doubled then its volume becomes:

A. $8V$



B. $4V$

C. $2V$

D. $3V$

Q18 Mathematics

Find the number that is 30% more than 240.

A. 312



B. 320

C. 331

D. 340

Q19 Mathematics

A tank can be filled by two taps A and B in 8 hours and 10 hours, respectively. The full tank can be emptied by a third tap in 12 hours. If all the taps are turned on at the same time, in how much time (in approximate number of hours) will the empty tank be filled completely?

A. 7



B. 8

C. 9

D. 10

Q20 Mathematics

A father told his son, "My age at the time of your birth was equal to your present age". If the father's present age is 40 years, what was the son's age 5 years ago?

A. 15 years



B. 13 years

C. 23 years

D. 17 years



Q21 Mathematics

The area of the circumcircle of a right angle triangle whose sides are given as 8 cm, $4\sqrt{5}$ cm and 12 cm, is given by _____.

- A. $9\pi \text{ cm}^2$
- B. $18\pi \text{ cm}^2$
- C. $36\pi \text{ cm}^2$
- D. $27\pi \text{ cm}^2$

**Q22 Mathematics**

The frequency distribution of the diameters (D) of 100 steel balls is given in the following list.

D (mm)	43	44	45	46	47	48
Nos.	13	15	22	21	16	14

Find the median of the diameters in mm.

- A. 45.4
- B. 45.6
- C. 45.7
- D. 45.5

**Q23 Mathematics**

The lengths of the three sides of a triangle are given as 6 cm, 11 cm and 13 cm. The ratio of their corresponding altitudes to the opposite vertices will be

- A. 143 : 78 : 66
- B. 13 : 11 : 6
- C. 66 : 143 : 78
- D. 24 : 19 : 17

**Q24 Mathematics**

What is the square root of $(x^2 + 4x + 4)(x^2 + 6x + 9)$?

- A. $(x + 2)(x + 3)$
- B. $(x + 2)(x + 4)$
- C. $(x + 2)(2x + 3)$
- D. $(2x + 3)(x + 3)$



Q25 Mathematics

In a class of 40 students, the ratio of boys to girls is 7 : 3. The average marks of boys is 65 and that of girls is 72. What is the average marks of whole class?

A. 68.4

B. 68.3

C. 67.1



D. 68.2

General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

Select the option that is related to the third term in the same way as the second term is related to the first term.
Hot : Warm :: Antique : _____

A. Old



B. Oldest

C. History

D. Years

Q27 General Intelligence and Reasoning

Complete the following analogy.

Big : Large :: Thin : ?

A. Weak

B. Skinny

C. Slim



D. Skelton

Q28 General Intelligence and Reasoning

In a code language, LIVE is written as OREV. What is the code for DEAD?

A. UVZU

B. GVZG

C. WVZW



D. XVZX



Q29 General Intelligence and Reasoning

Select the option that is related to the third word on the same basis as the second word is related to the first word.
Enough : Contentment :: Feel : ?

A. Sense



B. Leave

C. React

D. Act

Q30 General Intelligence and Reasoning

Given below are three statements followed by two conclusions numbered I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. Decide which of the conclusions follow/s from the statements.

Statements:

- 1) All blues are red.
- 2) No red is a green.
- 3) All greens are yellow.

Conclusions:

- I) All blues being yellow is a possibility.
- II) No blue is a yellow.

A. Only conclusion I follows

B. Only conclusion II follows

C. Both conclusions I and II follow

D. Neither conclusion I nor II follow

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q31 General Intelligence and Reasoning

If in a certain code, SILK becomes QGJI, which word would be coded as VOTE be in that code?

A. TRCM

B. TMRC



C. RTCM

D. MTRC



Q32 General Intelligence and Reasoning

Read the given statement and conclusions carefully and select which of the conclusions logically follow(s) from the statement.

Statement:

There is a practice of mass copying in colleges in few states which leads to the poor quality of students in higher education

Conclusions:

1. Government should take strict action against those colleges who indulge in mass copying
2. Mass copying process in the college should be deducted with vigilance squad and any incident must be reported to higher authorities

A. Only conclusion 1 follows

B. Only conclusion 2 follows

C. Either 1 or 2 follows

D. Both 1 and 2 follows



Q33 General Intelligence and Reasoning

In each question below is given a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement: Everybody loves the Indian costumes.

Assumptions:

- I. Indian Costumes are the only available costumes
- II. No other costumes are loved by anyone.

A. Only assumption I is implicit

B. Only assumption II is implicit

C. Neither I nor II is implicit



D. Both I and II are implicit.

Q34 General Intelligence and Reasoning

Read the given statement and choose which argument is strong.

Question:

Should the government stop giving permission for the setup of new industries?

Arguments:

- I. Yes, new industries create environmental pollution.
- II. No, new industries will improve employment and help economic growth of the country.

A. Only argument I is strong

B. Only argument II is strong



C. Neither argument I nor II is strong

D. Either argument I or II is strong



Q35 General Intelligence and Reasoning

Consider the statement and the following arguments and decide which of the arguments is/are strong with respect to the statement.

Statement:

We should practise walking with barefoot on the grass as it helps to balance the body's energies.

Arguments:

- I. Yes, walking on the grass keeps us rooted and connected to the earth energies and helps to maintain better health
- II. No, there are many other ways to gain health.

A. Only argument I is strong



B. Only argument II is strong

C. Both arguments I and II are strong

D. Neither I nor II is strong

Q36 General Intelligence and Reasoning

Find the next number in the series

110, 89, 70, 53, 38, ?

A. 20

B. 25



C. 34

D. 28

Q37 General Intelligence and Reasoning

ABCDEFGHIJKLMNOPQRSTUVWXYZ.

The 5th letter to the left of 9th letter from right is:

A. M



B. L

C. N

D. K



Q38 General Intelligence and Reasoning

If a steel rod of length $40\frac{3}{5}$ is cut into three equal pieces, then the length of each piece is:

A. $13\frac{9}{15}$

B. $13\frac{10}{15}$

C. $13\frac{7}{15}$

D. $13\frac{8}{15}$



Q39 General Intelligence and Reasoning

In below options, three words are similar in some context and one word is different. Choose the word which is different from the rest.

A. Paper

B. Wool

C. Wood

D. Plastic



Q40 General Intelligence and Reasoning

Read the given question and decide which of the following statements is/are sufficient to answer the question.

Question:

Which rod is the lengthiest among T1, T2 and T3?

Statements:

1. T2 is lengthier than T1 and T3.
2. T2 is a wrought iron rod.

A. Statement 1 alone is sufficient.



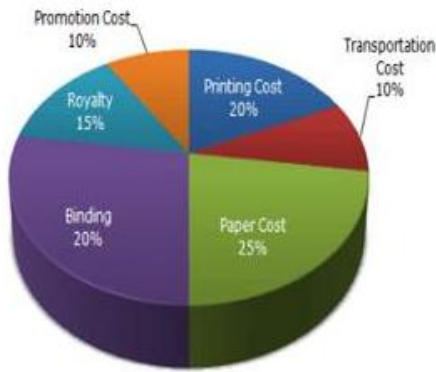
B. Statements 1 and 2 together are insufficient.

C. Statement 2 alone is sufficient.

D. Statements 1 and 2 together are sufficient.



Q41 General Intelligence and Reasoning



The pie graph represents the expenditure of a publishing house in Karnataka. If the total expenditure is ₹ 50,000, then the binding cost is:

- A. ₹ 12500
- B. ₹ 10000
- C. ₹ 7500
- D. ₹ 5000



Q42 General Intelligence and Reasoning

You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question:

Question:

How many students in a class play cricket?

Statements:

- I. There are 32 boys and 28 girls in the class.
- II. Only boys play cricket.

- A. Data in I alone is sufficient
- B. Data in II alone is sufficient
- C. Data either in I alone or II alone is sufficient
- D. Data in both I and II together is not sufficient



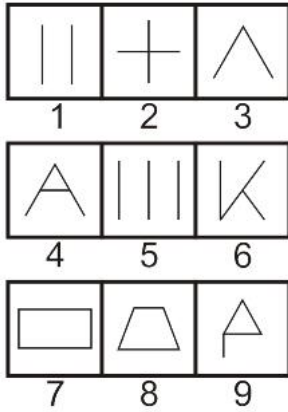
Q43 General Intelligence and Reasoning

Last year, Mani's Corner invested ₹ 1,00,000 on Shop 1 and ₹ 1,50,000 on Shop 2 to change furniture. They retrieved the expense in the next three quarters: quarter 1 - 20%, quarter 2 - 55%. What was the amount (in ₹) that was retrieved in quarter 3?

- A. 60,500
- B. 70,000
- C. 62,600
- D. 62,500



Q44 General Intelligence and Reasoning



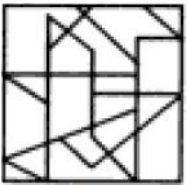
The figures that are similar in the above group is?

- A. 1, 2, 3 ; 5, 6, 8 ; 4, 7, 9
- B. 1, 3, 2 ; 5, 6, 4 ; 8, 7, 9
- C. 1, 2, 8 ; 5, 6, 3 ; 4, 7, 9
- D. 1, 2, 5 ; 8, 6, 4 ; 2, 7, 9

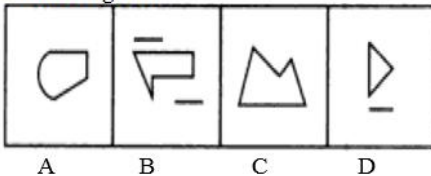
Q45 General Intelligence and Reasoning

Select the answer figure which is embedded in the given problem figure.

Problem figure:



Answer figures:

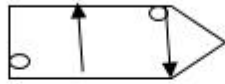


- A. A
- B. B
- C. C
- D. D



Q46 General Intelligence and Reasoning

Which of the options bears the closest resemblance to the following figure?



A	B	C	D

A. A

B. B

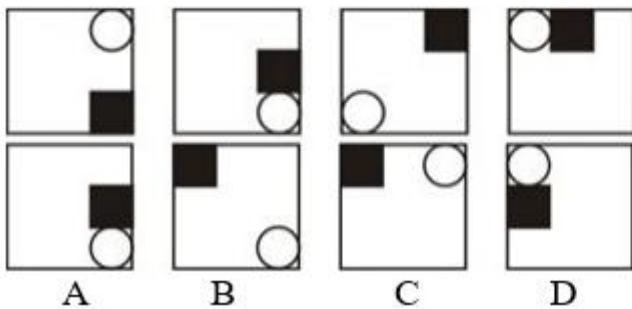
C. C

D. D



Q47 General Intelligence and Reasoning

Choose the correct picture which will follow in the sequence of the given four pictures.



A

B

C

D

A. A

B. B

C. C

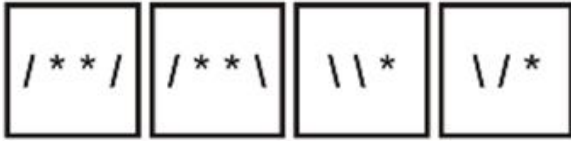
D. D



Q48 General Intelligence and Reasoning



Choose the correct picture from the below options which comes next in the sequence of the above five pictures.



A

B

C

D

A. A

B. B



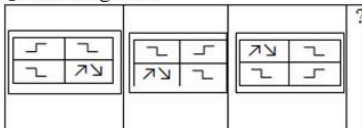
C. C

D. D

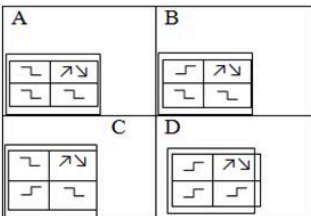
Q49 General Intelligence and Reasoning

Select the option figure that will complete the series of question figures.

Question figures:



Option Figures:



A. A

B. B

C. C



D. D

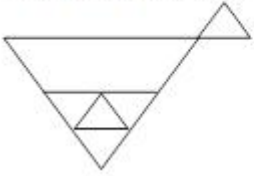


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Q50 General Intelligence and Reasoning

Find the number of triangles in the figure



A. 5

B. 6

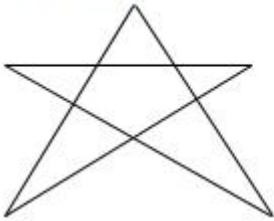
C. 7



D. 8

Q51 General Intelligence and Reasoning

Find the number of triangles in the following figure.



A. 6

B. 10



C. 11

D. 9

Q52 General Intelligence and Reasoning

A vendor sells three fragrances of scented candles. 20 customers bought rose scent, 40 bought cinnamon and 30 bought lemongrass. 6 bought all the three fragrances. 20 bought at least two of them. How many have bought exactly one fragrance?

A. 34

B. 42

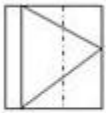
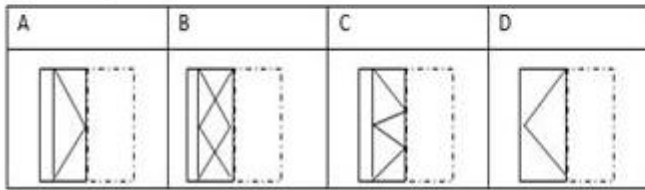
C. 43

D. 44



Q53 General Intelligence and Reasoning

Which pattern will the given transparent sheet resemble when it is folded at the dotted line?



A. A

B. B

C. C



D. D

Q54 General Intelligence and Reasoning

Sandhya & Ramani were facing east direction. Sandhya turns 45° Anti Clock wise & then 135° Clock wise direction. How much turns Ramani would have to take to face opposite to Sandhya?

A. 180° Anti Clockwise

B. 180° Clockwise

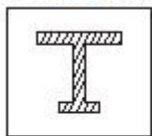
C. 90° Anti Clockwise



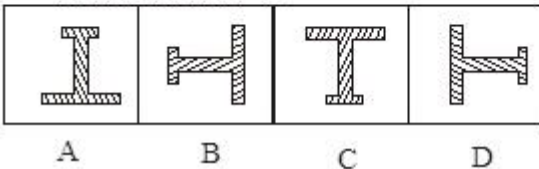
D. 135° Anti Clockwise

Q55 General Intelligence and Reasoning

Choose the mirror image for the following figure:



M N



5

A. A



B. B

C. C

D. D



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Q56 General Science

Acceleration due to gravity $g =$ _____.

A. GM / R^2



B. MR^2 / G

C. G / MR^2

D. GMR^2

Q57 General Science

The acceleration of a rocket at any instant is proportional to the n^{th} power of the velocity of the expelled gases, where the value of n must be:

A. -1

B. 1



C. 2

D. -2

Q58 General Science

Motion of a boy, sitting on a swing, is _____.

A. periodic



B. non- uniform

C. uniform

D. circular

Q59 General Science

Which of the following statements is true?

A. The value of 'g' at Mount Everest is $>g$.

B. The value of 'g' at Mount Everest is $<g$.

C. A ball thrown up vertically returns to the ground after 15 second. Its velocity is 75m/s.

D. A ball thrown up vertically returns to the ground after 15 second. Its velocity is 150m/s.

A. Only statement B is true

B. Only statement D is true

C. Statements B and C are true



D. Statements B and D are true



Q60 General Science

What is the amount of work done when a body moves under a force of 10 N at a distance of 10 m in the direction of the force?

A. 0.01 J

B. 10 J

C. 1 J

D. 100 J



Q61 General Science

Find the energy possessed by an object of mass 10 kg when it is at a height of 6 m above the ground. Given, $g = 9.8 \text{ m s}^{-2}$

A. 578 J

B. 578 W

C. 588 W

D. 588 J



Q62 General Science

Which of the following examples are of potential energy?

- a. A brick lying on the roof of a house.
- b. The spring of a watch when wound up.
- c. The compressed spring.
- d. Water stored up in elevated reservoir in water-supply system

A. a, b and c

B. a, b, c, d



C. c, d

D. a, d

Q63 General Science

In which of the following is the velocity of sound is maximum at 25°C ?

A. Brass

B. Iron

C. Aluminium



D. Steel



Q64 General Science

In a Concave mirror, where should the Object be placed to get a real, inverted and diminished image between C and F?

- A. At C
- B. Beyond C
- C. Between F and C
- D. Between F and P



Q65 General Science

The SI unit of resistance is:

- A. Volt
- B. Ampere
- C. Ohms
- D. Coulomb



Q66 General Science

The potential difference between the terminals of an electric heater is 60 V when it draws a current of 4 A from the source. What current will the heater draw if the potential difference is increased to 150 V?

- A. 24 A
- B. 12 A
- C. 8.5 A
- D. 10 A



Q67 General Science

How many moles are present in 54 g of He?

- A. 10 moles
- B. 13.5 moles
- C. 12 moles
- D. 25 moles



Q68 General Science

How many atoms are present in a molecule of $\text{Ca}(\text{OH})_2$?

A. 4

B. 5



C. 6

D. 7

Q69 General Science

Which of the following is NOT a unit that measures temperature?

A. Kelvin

B. Celsius

C. Fahrenheit

D. Pascal



Q70 General Science

Which of the following is used as an antacid?

A. Lithium hydroxide

B. Magnesium hydroxide

C. Sodium hydroxide

D. Aluminium hydroxide

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q71 General Science

The boiling point of ethanol is:

A. 78°C



B. 108°C

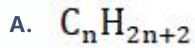
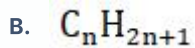
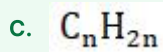
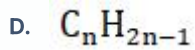
C. 58°C

D. 98°C



Q72 General Science

Alkenes, unsaturated hydrocarbon containing a double bond between two carbon atoms, have a general formula, which is:



Q73 General Science

D block elements are found in:

A. between 2nd to 10(3-12) ✓

B. only 18th group

C. only 8th group element

D. 9th group element

Q74 General Science

The electronic configuration of an element is $1s^2 2s^2 2p^6 3s^2 3p^3$. What is the atomic number of the element that is just below the above element in the periodic table?

A. 33 ✓

B. 34

C. 31

D. 39

Q75 General Science

In _____ tissue, the cells are living, elongated and irregularly thickened at the corners

A. Parenchyma

B. Sclerenchyma

C. Collenchyma ✓

D. Aerenchyma



Q76 General Science

In which of the following class, animals lack scales and have mucus glands in the skin?

- A. Pisces
- B. Reptiles
- C. Amphibia
- D. Aves



Q77 General Science

The walls of the ventricles are _____ than atrial walls.

- A. thicker
- B. thinner
- C. smaller
- D. larger



Q78 General Science

Which of the following can reproduce by regeneration as well as budding?

- A. Amoeba
- B. Hydra
- C. Plasmodium
- D. Yeast



Q79 General Science

_____ brings about the changes in appearance seen in boys at the time of puberty.

- A. Adrenaline
- B. Oestrogen
- C. Testosterone
- D. Prolactin



Q80 General Awareness and Current Affairs

The first football club of the world, which was founded in the year 1857 in England was _____.

- A. Manchester United Football Club
- B. Sheffield Football Club
- C. Huddersfield Football Club
- D. Chelsea Football Club



Q81 General Awareness and Current Affairs

Padma Vibhushan was awarded to Vishwanathan Anand in the year _____.

- A. 2003
- B. 2007
- C. 2005
- D. 2008



Q82 General Awareness and Current Affairs

The 'Bandodkar Gold Trophy' is associated with the game of _____.

- A. Tennis
- B. Golf
- C. Kho-kho
- D. Football



Q83 General Awareness and Current Affairs

_____ is referred to as Shata Tantri Veena in Sanskrit text and has 72 strings.

- A. Tambourine
- B. Sarood
- C. Santoor
- D. Sitar



Q84 General Awareness and Current Affairs

Who is the author of 'Pashmina', a moving tale of an Indian American girl?

- A. Roshani Chokshi
- B. Aditi Khorana
- C. Diksha Basu
- D. Nidhi Chanani



Q85 General Awareness and Current Affairs

Which film has won the Global Sustainability film for India in London, 2018?

- A. Pink
- B. Queen
- C. Neerja
- D. Lipstick Under My Burkha



Q86 General Awareness and Current Affairs

Who is the 35th Governor of Bihar?

- A. Devanand Konwar
- B. D.Y. Patil
- C. Ram Nath Kovind
- D. Satya Pal Mailk



Q87 General Awareness and Current Affairs

As of August 2018, who is the current Chairman and Managing Director of Air India?

- A. Ajay Singh
- B. Pradeep Singh Kharola
- C. Kalanithi Maran
- D. Aditya Ghosh



Q88 General Awareness and Current Affairs

When is the National Army Day celebrated in India?

A. January 15th



B. July 15th

C. November 12th

D. December 12th

Q89 General Awareness and Current Affairs

The Higher and Technical Education Minister for the state of Maharashtra is _____.

A. Pankaja Munde

B. Chandrakant Patil

C. Vinod Tawde



D. Prakash Mehta

Q90 General Awareness and Current Affairs

Who is the first woman President of India?

A. Indira Gandhi

B. Pratibha Patil



C. Smita Patil

D. Prerana Patil

Q91 General Awareness and Current Affairs HINDI - no English version saved

पू ज़ोरमथंगा (Pu Zoramthanga) कौन से राजनीतिक दल का नेतृत्व करते हैं?

A. नेशनल पीपुल्स पार्टी

B. नागा पीपुल्स फ्रंट

C. मिजोरम पीपुल्स कॉन्फ्रेंस

D. मिजो नेशनल फ्रंट



Q92 General Awareness and Current Affairs

As of June 2018, which political party is in power in Karnataka?

- A. BJP
- B. Congress and JD (S) alliance
- C. CPM
- D. Only JD (S)



Q93 General Awareness and Current Affairs

_____, who took over as Governor- General in 1848, devised a policy called the 'Doctrine of Lapse'.

- A. Lord Wellesley
- B. Lord Dalhousie
- C. Lord William
- D. Lord Cornwallis



Q94 General Awareness and Current Affairs

Nicolo Conti visited Vijayanagara in _____ AD during the reign of Devaraya II.

- A. 1418
- B. 1424
- C. 1420
- D. 1419



Q95 General Awareness and Current Affairs

Where is Manjeera Crocodile Wildlife Sanctuary situated?

- A. Kerala
- B. Tamil Nadu
- C. Odisha
- D. Telangana



Q96 General Awareness and Current Affairs

_____ is a holy town located in the state of Maharashtra in India.

- A. Rajgir
- B. Somnath
- C. Shiridi
- D. Kushinagar



Q97 General Awareness and Current Affairs

Who is the present (as of July 2018) Union Minister of Environment & Climate Change?

- A. Dr.Harshvardhan
- B. Prakash Jawadekar
- C. Rajnath Singh
- D. V.K.Singh



Q98 General Awareness and Current Affairs

Government of India has how much share in NABARD?

- A. 50%
- B. 99%
- C. 75%
- D. 85%



Q99 General Awareness and Current Affairs

The first Indian State to launch the Single Women Pension Scheme is _____.

- A. Maharashtra
- B. Telangana
- C. Delhi
- D. Gujrat



Mathematics

25 Questions • Answer Key

Q1 Mathematics

Find HCF of $\frac{7}{9}, \frac{14}{15}, \frac{7}{10}$.

A. $\frac{7}{45}$

B. $\frac{7}{90}$ ✓

C. $\frac{14}{45}$

D. $\frac{7}{675}$

Q2 Mathematics

The sum of the digits of a two digit number is 9 also nine time this numbers is twice the number obtained by reversing the order of the digits. Find the number.

A. 18 ✓

B. 19

C. 28

D. 30

Q3 Mathematics

Solve the below equation.

$$10 - [5 - \{6 - (5 - 4 - 3)\}] = ?$$

A. 13 ✓

B. 10

C. 8

D. 16



Q4 Mathematics

Solve the below equation.

$$\frac{(0.125+0.255)}{0.5-0.03+0.005} = ?$$

A. 0.8



B. 1

C. 0.08

D. 0.2

Q5 Mathematics

Solve the below equation.

$$\frac{1212}{0.5} = 6.06x ?$$

A. 0.40

B. 40

C. 400



D. 4

Q6 Mathematics

The HCF of two numbers is 110 and their product is 290400. The LCM of these two numbers is:

A. 2640



B. 1320

C. 3960

D. 1980

Q7 Mathematics

The ratio of two numbers is 7 : 11 and their HCF is 8. What is the LCM of these numbers?

A. 1540

B. 924

C. 308

D. 616



Q8 Mathematics

If $\sqrt{75} + \sqrt{363} = \sqrt{N}$, what is the value of N?

- A. 27
- B. 438
- C. 768
- D. 729



Q9 Mathematics

48 out of 60 is ____%.

- A. 80
- B. 78
- C. 75
- D. 72



Q10 Mathematics

The ratio of the number of boys to that of the girls in a school was 4 : 5. If there were 333 students in the school, how many of them were girls?

- A. 180
- B. 185
- C. 175
- D. 190



Q11 Mathematics

The coordinates of the point that divides the line segment joining the points $(-7, 6)$ and $(5, 0)$ internally in the ratio 1 : 3 are given by:

- A. $(3, 1)$
- B. $(-4, 4.5)$
- C. $(-3, 4)$
- D. $(1, 3)$



Q12 Mathematics

In an election, a candidate got 62% of the total votes polled and won the election by 35640 votes. The total number of votes cast, if no vote is declared invalid, is:

A. 148500



B. 93790

C. 57484

D. 356400

Q13 Mathematics

A is twice as good a workman as B. If together they finish the work in 14 days, then in how many days can it be done by B separately?

A. 40 days

B. 21 days

C. 42 days



D. 35 days

Q14 Mathematics

Mahesh alone takes 18 days to complete a piece of work, while Kishore alone takes 36 days to complete the same piece of work. If they work together for 6 days, what is the percentage of total work that is left?

A. 30%

B. 40%

C. 60%

D. 50%

**Q15 Mathematics**

A train passes by a stationary man standing on a platform in 5 seconds and passes by the platform completely in 25 seconds. If the length of the platform is 300 meters, what is the length of the train?

A. 110 m

B. 75 m



C. 115 m

D. 150 m



Q16 Mathematics

4th of October 2018 is a Thursday. What day would be 2nd of February 2019?

- A. Thursday
- B. Friday
- C. Saturday
- D. Sunday



Q17 Mathematics

A wall 4.84 m long and 3.1 m high is to be covered with 22 cms $\times$ 10 cms tiles. Find out the total rate of tiles if each tile costs ₹ 1.50.

- A. ₹ 1,025
- B. ₹ 1,020
- C. ₹ 1,022
- D. ₹ 1,023



Q18 Mathematics

The sum of the present ages of a father and a son is 50 years. If 5 years ago, the ratio of their ages was 7 : 1, then the son's present age is:

- A. 10 years
- B. 15 years
- C. 9 years
- D. 14 years



Q19 Mathematics

The current age of Sam is $1\frac{1}{4}$ times his age when he married 8 years ago. The age of his daughter today is a ninth of what Sam's age will be 5 years hence. Sam's daughter is now _____ years old.

- A. 4
- B. 5
- C. 6
- D. 7

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).



Q20 Mathematics

The current age of Tom is $1\frac{1}{3}$ times his age when he married 10 years ago. The age of his daughter today is $\frac{1}{11}$ of what Tom's age will be 15 years hence. Tom's daughter is now _____ years old.

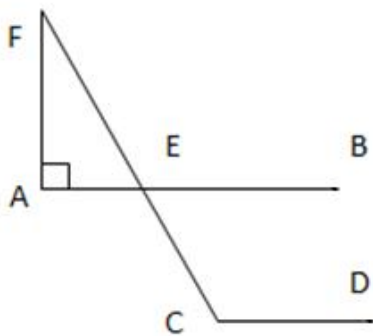
- A. 4
- B. 5
- C. 6
- D. 7

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q21 Mathematics

In the figure, $AB \parallel CD$

and $\angle AFE = 30^\circ$ then $\angle FCD$ is:



- A. 90°
- B. 120°
- C. 60°
- D. 45°

Q22 Mathematics

If 10 reduced from 5 times a number is equal to 8 added to four times the number, then what is the number?

- A. 15
- B. 18
- C. 21
- D. 22



Q23 Mathematics

If $\operatorname{cosec}(A - B) = \frac{\sec A \sec B}{\tan A - \tan B}$, then $\operatorname{cosec} 15^\circ = ?$

A. $\sqrt{6} + \sqrt{3}$

B. $\sqrt{6} + \sqrt{2}$ ✓

C. $\sqrt{6} - \sqrt{2}$

D. $\sqrt{6} - \sqrt{3}$

Q24 Mathematics

The mean weight of six kids is 17.5 kg. If the individual weights of 5 of those kids are 14, 19, 23, 21 and 13 kg, respectively, find the weight of the sixth kid.

A. 15 kg ✓

B. 16 kg

C. 17 kg

D. 18 kg

Q25 Mathematics

If in 12 innings a batsman scores 38, 70, 48, 34, 42, 76, 55, 46, 63, 54, 80 and 44, then the mean deviation from the median is approximately:

A. 8.6

B. 9.6

C. 10.6

D. 12.17 ✓

General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

Lion is related to Roar, in the same way as Horse is related to _____.

A. Bray

B. Hiss

C. Neigh ✓

D. Hoot



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Q27 General Intelligence and Reasoning

Blue is related to Sky in the same way as Brown is related to:

- A. Board
- B. Vessel
- C. Wet
- D. Mud



Q28 General Intelligence and Reasoning

In a certain code language, 'pin tin fin' means 'delicious red food', 'tie dip sig' means 'beautiful yellow rose' and 'sig pan fin' means 'rose and food'. Which of the following stands for 'food' in that language?

- A. pin
- B. fin
- C. tin
- D. pan



Q29 General Intelligence and Reasoning

Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statements:

- All the cups are bowls.
- All bowls are spoons.

Conclusions:

1. Some cups are not spoons.
2. Some spoons are cups.

- A. Only conclusion 1 follows
- B. Only conclusion 2 follows
- C. Neither conclusion 1 nor 2 follows
- D. Both conclusions 1 and 2 follows



Q30 General Intelligence and Reasoning

Read the given statement and choose which argument is strong.

Statement:

Luxury hotels should be banned in India.

Arguments:

- I. Yes. These places are turning into operating centers for international criminals.
- II. No. Well off foreign tourists won't be able to find a suitable place to stay.

A. Only argument I is strong

B. Only argument II is strong



C. Either I or II is strong

D. Neither I nor II is strong

Q31 General Intelligence and Reasoning

Find the missing term in this series.

EARTH : HDUWK :: VENUS : _____?

A. YQH XV

B. YHQ XV



C. YQXHV

D. YQH VX



Q32 General Intelligence and Reasoning

Read the statements and identify whether the conclusion is true or false.

Statements:

- This examination was very easy.
- Biology paper was easier.

Conclusion:

Rahul had given Biology exam yesterday.

- A. True
- B. False
- C. Insufficient data
- D. Definitely false



Q33 General Intelligence and Reasoning

Read the statement below followed by two course of action statements.

Statement:

Many government officers take bribe to do their duty

Course of action:

1. Anti-corruption bureau should be given free hand to trap and prosecute the corrupt employees
2. All corruption complaints on government employees are false

Read them carefully and decide which course of action follows logically.

- A. Only 1 follows
- B. Only 2 follows
- C. Both 1 and 2 follow
- D. Neither 1 nor 2 follows



Q34 General Intelligence and Reasoning

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statement:

“Dogs love to play with kids” said Y to M.

Conclusions:

- I. Y has observed dogs.
- II. Dogs are friendly with kids.

A. Conclusion I alone follows.

B. Conclusion II alone follows.

C. Both conclusions follow.



D. Neither I nor II follows.

Q35 General Intelligence and Reasoning

Given below is a statement followed by two assumptions numbered I and II. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

Statement:

Detergents should be used to clean clothes.

Assumptions:

- I. Detergents reduces surface tension of water to clear dirt
- II. Detergents clear dirt and grease as well.

A. Only assumption I is implicit

B. Only assumption II is implicit

C. Either assumption I or II is implicit

D. Both assumptions I and II are implicit



Q36 General Intelligence and Reasoning

17, 22, 27, 32, _____ The sum of first 20 term in the series is:

A. 1920

B. 1290



C. 1209

D. 1295



Q37 General Intelligence and Reasoning

$$\frac{8}{6}, \frac{6}{4}, \frac{5}{3}, \frac{9}{5}$$

The largest fraction among the given ones is:

A. $\frac{8}{6}$

B. $\frac{6}{4}$

C. $\frac{5}{3}$

D. $\frac{9}{5}$ ✓

Q38 General Intelligence and Reasoning

What is the next term in the given series?

4A, 4Z, 12B, 12X, 36C, _____

A. 36V ✓

B. 36W

C. 36U

D. 36Y

Q39 General Intelligence and Reasoning

In certain language MAT is written as $13+1+20$ and FAN is written as $6+1+14$. How is TANKS written in that language?

A. $19+1+14+11+20$

B. $20+14+11+1+19$

C. $20+11+1+14+19$

D. $20+1+14+11+19$ ✓



Q40 General Intelligence and Reasoning

Read the given question and decide which of the following statements is/are sufficient to answer the question.

Question:

Which word represents 'blue' in the code language?

Statements:

1. 'Here is a pen' is written as 'Hya eys e pena'.
2. 'Here is a blue pen' is written as 'Hya eys e Nel pena'.

- A. Statement 1 alone is sufficient.
- B. Statements 1 and 2 together are sufficient. 
- C. Statement 2 alone is sufficient.
- D. Statements 1 and 2 together are insufficient.

Q41 General Intelligence and Reasoning

You are given a question and two statements. Identify which of the statements is/are sufficient to answer the question.

Question:

Nayana has 6 net cloths of 4 different colours measuring 1 metre each. How many pink net cloths does she have?

Statements:

1. Nayana has 1 white net cloth.
2. One-fifth of the remaining cloths are red and the number of red and blue cloths are the same.

- A. Statement 1 alone is sufficient.
- B. Statement 2 alone is sufficient.
- C. Statements 1 and 2 together are not sufficient.
- D. Statements 1 and 2 together are sufficient. 



Q42 General Intelligence and Reasoning

You are given a question and three statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question:

Find the age of M 10 years from now.

Statements:

1. L is 2 years old now.
2. M is L's older sister.
3. M's age is half of five-times the age of L.

- A. Statement 1 alone is sufficient.
- B. Statement 2 alone is sufficient.
- C. Statement 1, 2 and 3 together are insufficient.
- D. Statement 1 and 3 together are sufficient. 

Q43 General Intelligence and Reasoning

Which of the statements is sufficient to answer the question?

Question:

Find the total number of balls in a bag.

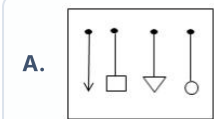
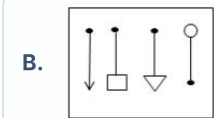
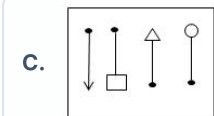
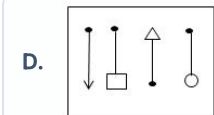
Statements:

1. The bag contains 6 blue, 10 red and 7 yellow balls.
2. The bag contains blue, red and yellow coloured balls only

- A. Only statement 1 is sufficient
- B. Only statement 2 is sufficient
- C. Both statements 1 and 2 are sufficient 
- D. Either statement 1 or 2 is sufficient



Find missing figure in the given series.



Q45 General Intelligence and Reasoning

A. kadu chaha asto chaha

B. piu shakto kadu chaha

c. piu chaha asto chaha



D. gaar asto kadu chaha

Q46 General Intelligence and Reasoning

Out of the four given figures, three are similar in a certain manner. However, one figure is NOT like the other three.

<table><tr><td>18</td></tr><tr><td>P</td></tr></table>	18	P	<table><tr><td>4</td></tr><tr><td>D</td></tr></table>	4	D	<table><tr><td>7</td></tr><tr><td>G</td></tr></table>	7	G	<table><tr><td>8</td></tr><tr><td>H</td></tr></table>	8	H
18											
P											
4											
D											
7											
G											
8											
H											
A	B	C	D								

Select the figure which is different from the rest.

A. A



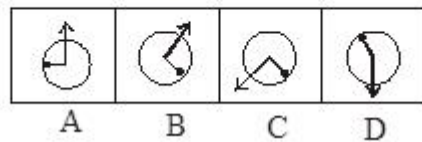
B. B

C. C

D. D

Q47 General Intelligence and Reasoning

Choose the figure which is different from the others in the given set.



A. A

B. B

C. C

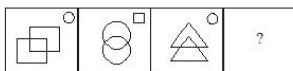
D. D



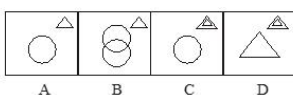
Q48 General Intelligence and Reasoning

Find the next figure in the given series.

Problem figures:



Answer figures:



A. A

B. B



C. C

D. D



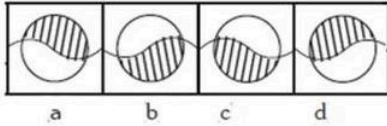
Q49 General Intelligence and Reasoning

You are given a figure followed by four alternatives (a), (b), (c) and (d). Choose the alternatives which is closely resembles the water image of the given figure.

Problem Figure:



Answer Figure:



A. a

B. b



C. c

D. d

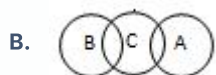
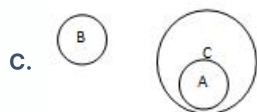
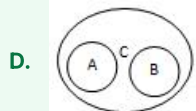
Q50 General Intelligence and Reasoning

Which of the following correctly represents the relationship between:

A) Ear

B) Nose

C) Face

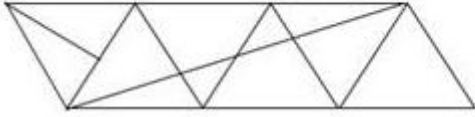


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Q51 General Intelligence and Reasoning

How many triangles are there in the following figure?



A. 10

B. 14

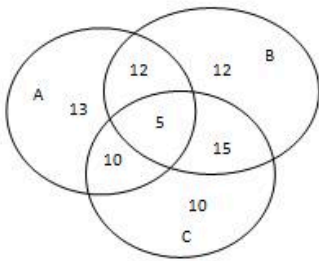
C. 8

D. 22



Q52 General Intelligence and Reasoning

The given Venn diagram represents the sports preferences of a group of college students. There are three games: A - Badminton, B - Basketball and C - Tennis. How many students play at least one game?



A. 77



B. 5

C. 17

D. 35

Q53 General Intelligence and Reasoning

Sangitha was facing north-west direction. If she was playing carom with Sudha in the standard seating pattern, in which direction was Sudha facing?

A. South-east



B. South-west

C. North-west

D. North-east



Q54 General Intelligence and Reasoning

At point O, facing east a person walks 2 km to reach point A. Then, he turns right, walks 4 km and reaches point B. Then, he turns left, walks 2 km and reaches point C. Then, he turns left, walks 8 km and reaches point D. Then, he turns left, walks 8 km and reaches point E. Then, he turns left, walks 4 km and reaches point F. The shortest distance between point C and point E is ____ km.

- A. 128
- B. $6\sqrt{2}$
- C. $2\sqrt{2}$
- D. $8\sqrt{2}$ ✓

Q55 General Intelligence and Reasoning

Kajal walks 25 m to the south of her house, turns left and goes another 10 m. Then turning to the north, she goes 20 m and then starts walking to her house. In which direction is she walking now?

- A. North-West ✓
- B. North
- C. South-East
- D. East

General Science

23 Questions • Answer Key

Q56 General Science

In the formula $F = GMm/d^2$, what is G called?

- A. Universal gravitational constant ✓
- B. Acceleration due to gravity
- C. Gravitational Force
- D. Greater height

Q57 General Science

Linear momentum is equal to:

- A. Mass $\times$ volume
- B. Speed $\times$ weight
- C. Force $\times$ height
- D. Mass $\times$ velocity ✓



Q58 General Science

Work can only be done when there is _____.

- A. Power
- B. Energy
- C. Force
- D. Momentum



Q59 General Science

When the angle between the force and the displacement is 90° , the work done is _____.

- A. positive
- B. negative
- C. zero (no work is done)
- D. neutral



Q60 General Science

746 Watts is known as:

- A. 1 KW
- B. 1 Horse power
- C. 1 Joule
- D. 1 Pascal



Q61 General Science

_____ is a quantity that does NOT describe the nature of a wave.

- A. Wavelength
- B. Frequency
- C. Wave speed
- D. Altitude



Q62 General Science

In longitudinal waves, the particles vibrate in a _____ direction of propagation.

- A. perpendicular
- B. parallel
- C. semicircular
- D. planar

Q63 General Science

A current of 0.5 A is drawn by a filament for 10 minutes. Find the amount of electric charge that flows through the circuit.

- A. 5 C
- B. 30 C
- C. 300 C
- D. 350 C

Q64 General Science

A $10\ \Omega$ resistance wire is doubled on it. Calculate the new resistance of the wire.

- A. $2.25\ \Omega$
- B. $1.00\ \Omega$
- C. $1.25\ \Omega$
- D. $2.5\ \Omega$

Q65 General Science

Which of the following will have maximum mass?

- A. 0.1 mole of NH_3
- B. 1022 atoms of Carbon
- C. 1022 molecules of CO_2
- D. 1 gm of Iron



Q66 General Science

_____ proposed that each element had a characteristic atomic mass.

- A. Kanad
- B. Lavoisier
- C. Democritus
- D. Dalton



Q67 General Science

Which of the following will NOT diffuse?

- A. Smoke
- B. Vapour of scent
- C. Powdered fenugreek
- D. The smoke of an incense stick



Q68 General Science

Which of the following combines with O_2 in our body to provide energy?

- A. Glycogen
- B. Glucose
- C. Amino acids
- D. Fatty acids



Q69 General Science

Which of the following statements is/are true/false ?

Statement

A. An acid which is completely ionized into ions and produces large number of H^+ ions. For example HCl, H_2SO_4, NH_4OH

B. An acid which is partially ionized in water and produces less number of H^+ ions. For example $CH_3COOH, H_2CO_3, H_2SO_3$

A. Only A is true

B. Only B is true



C. Both A and B are true

D. Both A and B are false

Q70 General Science

The bonds formed by the elements having larger atoms are:

A. stronger

B. weaker

C. very strong

D. very weak



Q71 General Science

A reaction in which one or more molecules of a substance are added across a double or triple bond is called:

A. Esterification

B. Functional group

C. Addition reaction



D. Saponification



Q72 General Science

In the Modern Periodic Table, which of the following periods has the maximum number of non-metals?

A. 1

B. 2



C. 3

D. 4

Q73 General Science

An element has electronic configuration 2,8,6. It belongs to _____.

A. 1 group and 1 period

B. 2 group and 2 period

C. 16 group and 3 period



D. 6 group and 2 period

Q74 General Science

Which of the following statements is true?

Statements:

A: Four types of elements together make up the xylem tissue.

B: The non-living cell of phloem is called the companion cell.

A. Only statement A is true, B is false



B. Only statement B is true, A is false

C. Statements A and B are false

D. Statements A and B are true

Q75 General Science

_____ fills the space inside the organs and supports the internal organs and helps in repair of tissue.

A. Ligament

B. Tendons

C. Adipose

D. Areolar



Q76 General Science

The common passage for food and air in human being is:

- A. Esophagus
- B. Nasal cavity
- C. Larynx
- D. Pharynx



Q77 General Science

Which of the following DO NOT take part in vegetative propagation?

- A. Root
- B. Stem
- C. Leaf
- D. Flower



Q78 General Science

During which of the following types of reproduction do the fully matured tiny individuals detach from the parent body and become new independent individuals?

- A. Fission
- B. Multiple fission
- C. Budding
- D. Regeneration



General Awareness and Current Affairs

20 Questions • Answer Key

Q79 General Awareness and Current Affairs

The first Paralympic Games were held in_____.

- A. Milan, Italy in 1956
- B. Rome, Italy in 1960
- C. Paris, France in 1960
- D. Athens, Greece in 1956



Q80 General Awareness and Current Affairs

Gopi Thonakal created history by becoming the first Indian man to win Asian ____ Championship.

- A. Marathon
- B. Badminton
- C. Judo
- D. Wrestling

Q81 General Awareness and Current Affairs

"Tee, Par, Flagstick" are associated with _____

- A. cricket
- B. tennis
- C. golf
- D. hockey

Q82 General Awareness and Current Affairs

Who was the revolutionary leader that improved the Land reform and Literacy in Cuba?

- A. Col. Gadaffi
- B. Fidel Castro
- C. Fulgencio Batista
- D. Che Guvera

Q83 General Awareness and Current Affairs

Name the upcoming animated film, the first such one in Sanskrit language, which is crowd-funded and crowd-sourced?

- A. Nandhini
- B. Vyaghras
- C. Kamadhenu
- D. Punyakoti



Q84 General Awareness and Current Affairs

What is the theme of the 10th edition of the Jaipur Literature Festival?

- A. Happiness Unlimited
- B. Nirbhaya: India at 70
- C. The Freedom to Dream: India at 70".
- D. Green India



Q85 General Awareness and Current Affairs

Name the journalist who was conferred with the Kuldip Nayar journalism award in March 2017.

- A. Ravish Kumar
- B. Vinod Dua
- C. Arnab Goswami
- D. Rajdeep Sardesai



Q86 General Awareness and Current Affairs

Which veteran Bengali actor has been selected for France's highest civilian award, Legion of Honor?

- A. Sharmila Tagore
- B. Soumitra Chatterjee
- C. Konkana Sen
- D. Moushumi Chatterjee



Q87 General Awareness and Current Affairs

Who is popularly known as "Rocket Man" for his significant contribution in the development of cryogenic engines for India's space programme?

- A. K. Sivan
- B. Pratik Barve
- C. Ashok Khadolia
- D. Pawan Chandana



Q88 General Awareness and Current Affairs

Which Union Minister launched the first 'NIC-CERT' in New Delhi to prevent and predict cyber attacks on government utilities?

- A. Sushma Swaraj
- B. Arun Jaitley
- C. Ravi Shankar Prasad
- D. Shri Kalraj Mishra



Q89 General Awareness and Current Affairs

Which state government will launch a digital platform named 'Seva Sindhu'? The platform will provide government services at the doorsteps of people and provide employment to educated youth in rural areas.

- A. Karnataka
- B. Andhra Pradesh
- C. Tamil Nadu
- D. Kerala



Q90 General Awareness and Current Affairs

Indian Prime Minister Narendra Modi recently launched three Indian digital payment apps in a foreign country. Name the country.

- A. Bangladesh
- B. Singapore
- C. Malaysia
- D. Dubai



Q91 General Awareness and Current Affairs

Which of the following countries is not a democratic country?

4

- A. UK
- B. USA
- C. China
- D. India



Q92 General Awareness and Current Affairs

In _____, the English East India Company sent an education dispatch to India which came to be known as Wood's Despatch.

A. 1852

B. 1856

C. 1854



D. 1858

Q93 General Awareness and Current Affairs

The Ryotwari settlement was introduced in the year _____.

A. 1793

B. 1820



C. 1830

D. 1765

Q94 General Awareness and Current Affairs

Mohiniyattam is a traditional dance from South India, specifically from the state of _____ in India.

A. Kerala



B. Andhra Pradesh

C. Tamil Nadu

D. Karnataka

Q95 General Awareness and Current Affairs

Kuchipudi is the classical dance form from the South-East Indian state of _____.

A. Andhra Pradesh



B. Tamil Nadu

C. Karnataka

D. Kerala



Q96 General Awareness and Current Affairs

In the context of Indian economy, which of the following is a subject under the tertiary sector?

- A. Industries
- B. Agriculture
- C. Health
- D. Animal husbandry



Q97 General Awareness and Current Affairs

Who publishes the biannual 'Financial Stability Report'?

- A. Ministry of Finance
- B. NABARD
- C. Central Bank of India
- D. Reserve Bank of India



Q98 General Awareness and Current Affairs

Name the Indian Space Research Organisation's (ISRO's) first solar mission to take off in 2019 to study Sun.

- A. Aditya M1
- B. Aditya S1
- C. Aditya R1
- D. Aditya L1



Mathematics

25 Questions • Answer Key

Q1 Mathematics

The value of $\sqrt{\frac{256 \times 289}{4^3}}$ is:

A. 34



B. 17

C. 4.25

D. 8.50

Q2 Mathematics

The value of $21 + \{36 \div (5 + 4)\} + 7(-4)$ is:

A. -3.4

B. -21.7

C. -3



D. -19

Q3 Mathematics

If 2.35 kg tomatoes cost ₹ 34.55, then what is the cost of 4.15 kg of tomatoes? (rounded off to two decimal places).

A. ₹ 141.84

B. ₹ 61.01



C. ₹ 19.15

D. ₹ 43.24

Q4 Mathematics

What is the square root of 41616?

A. 204



B. 214

C. 196

D. 194



Q5 Mathematics

The value of $7 + 3 \times \{15 \div (12 - 9) \times 5\}$ is:

- A. 15
- B. 10
- C. 82
- D. 54



Q6 Mathematics

The lengths of one of the two sides containing the right angle in a right-angled triangle and its hypotenuse are 9 cm and 41 cm respectively. What is the length of the third side?

- A. $\sqrt{369}$ cm
- B. 35 cm
- C. 32 cm
- D. 40 cm



Q7 Mathematics

The value of $\sqrt{214 + \sqrt{107 + \sqrt{196}}}$ is:

- A. 23
- B. 15
- C. 24
- D. 18



Q8 Mathematics

How many factors does the number 4000 have?

- A. 24
- B. 25
- C. 26
- D. 27



Q9 Mathematics

If 375 marbles are shared between Vihan and Rihana in the ratio 7 : 8, Rihana will get _____ marbles.

A. 225

B. 125

C. 250

D. 200



Q10 Mathematics

27% of 900 is:

A. 238

B. 275

C. 243



D. 252

Q11 Mathematics

₹ 600 was given to two persons, at 5% annual interest rate to the first person and at 10% to the second person. After one year, the sum of the interest for both was ₹ 40. Find the amount given to the first person.

A. ₹ 420

B. ₹ 400



C. ₹ 200

D. ₹ 380

Q12 Mathematics

A sum of money was divided between Ethane and Jane in the ratio 4 : 7. If Jane gave ₹ 1 to Ethane, the ratio would have changed to 7 : 12. What is the sum of money in question?

A. ₹ 190

B. ₹ 209



C. ₹ 198

D. ₹ 220



Q13 Mathematics

Two pipes, A and B, can fill a tank in 3 and 4 hours, respectively. Another pipe, C, can empty the filled tank in 6 hours. If A and B are opened at 8 AM and run for 1.5 hours and then C is opened as well, calculate the time when the tank will be fully filled:

- A. 9:20 AM
- B. 8:30 AM
- C. 9:18 AM
- D. 9:48 AM

**Q14** Mathematics

If Manish alone takes 72 days to complete a piece of work, and Shivam alone takes 90 days to complete the same piece of work. If they work together for 20 days, what is the percentage of total work that is left?

- A. 40 %
- B. 55 %
- C. 65 %
- D. 50 %

**Q15** Mathematics

A 350-m-long train is running at a speed of 54 km/h. How long will the train take to pass a jogger jogging at a speed of 9 km/h in a direction opposite to the running train?

- A. 6 seconds
- B. 15.6 seconds
- C. 12 seconds
- D. 20 seconds

**Q16** Mathematics

Two inlet pipes, one 4.5 times as efficient as the other, alongside an outlet pipe that can drain a filled cistern empty in 9 hours, can fill the empty cistern in 7.5 hours when working together. How many hours will the less efficient inlet pipe alone take to fill the empty cistern?

- A. 13.5
- B. 18
- C. 22.5
- D. 27



Q17 Mathematics

A rectangular lawn is 60 meters long and 40 meters wide. The time taken by a man to walk along its diagonal at the speed of 3km/hrs is approximately:

A. 92.5 sec

B. 84.5 sec

C. 81.5 sec

D. 86.5 sec

**Q18 Mathematics**

Three pumps can fill a water tank separately in 15, 20, and 30 hours, respectively. The three pumps are started together at 8 a.m. when the tank is already one-fifth full. The first pump is stopped after 4 hrs. The third pump is stopped after 2 more hours. At what time will the tank be full?

A. 2:30 p.m.

B. 3:20 p.m.

C. 2:40 p.m.



D. 1:20 a.m.

Q19 Mathematics

15th of August 2019 will be a Thursday. In which of the years given below will 15th of August also be a Thursday?

A. 2022

B. 2023

C. 2024



D. 2025

Q20 Mathematics

22nd of August 2019 will be a Thursday. In which of the years given below will 22nd of August also be a Thursday?

A. 2022

B. 2023

C. 2024



D. 2025



Q21 Mathematics

If $\log \frac{a}{b} + \log \frac{b}{a} = \log(a + b)$, then which of the following will hold true?

A. $a + b = 1$



B. $a - b = 1$

C. $a = b$

D. $a^2 - b^2 = 1$

Q22 Mathematics

Given that

$\tan(A + B) = \frac{\tan A + \tan B}{1 - \tan A \tan B}$, what is the value of $\tan 75^\circ$?

A. $2 + \sqrt{3}$



B. $2 - \sqrt{3}$

C. $2 + 2\sqrt{3}$

D. $2 - 2\sqrt{3}$

Q23 Mathematics

A road 3.5 m wide surrounds a circular park whose circumference is 176 m. Find the cost of paving the road at the rate of ₹ 60 per square metre.

A. ₹ 39,270



B. ₹ 39,250

C. ₹ 39,370

D. ₹ 39,290

Q24 Mathematics

Divide 36 into two parts, such that 5 times of the first part is more than 8 times of the second part by 24?

A. 20,16

B. 24,12



C. 22,14

D. 26,10



Q25 Mathematics

If $4\sin^2\theta - 1 = 0$ and θ is an acute angle, then the value of $\cos 2\theta$ is:

A. 1

B. $\frac{1}{2}$

C. $\frac{1}{4}$

D. $\frac{3}{4}$



General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

If INDIAN is coded as NADINI, in the same way as EXPERT can be coded as _____?

A. TREPXE

B. TRPEXE

C. TREPEX

D. RTPEXE



Q27 General Intelligence and Reasoning

New is related to Old in the same way as Day is related to:

A. Night

B. Bright

C. Sun

D. Time



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Q28 General Intelligence and Reasoning

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statements:

No tiger is a lion.

Some cats are lions.

All tigers are trees.

Conclusions:

I. Some trees are lions.

II. No lion is a tree.

III. Some cats are tigers.

A. Only I follows

B. Only II follow

C. Either I or III follows

D. Both I and II follow

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q29 General Intelligence and Reasoning

Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statements:

- All vans are bats.
- All cows are bats.

Conclusions:

1. All vans are cows.
2. Some cows are vans.

A. Only conclusion 1 follows

B. Only conclusion 2 follows

C. Neither conclusion 1 nor 2 follows



D. Both conclusions 1 and 2 follow



Q30 General Intelligence and Reasoning

If in certain code, FORGET is written as DQPICV, then in the same code, SACHIN will be written as:

- A. QAJCGP
- B. QCJAGP
- C. QACJGP
- D. QCAJGP



Q31 General Intelligence and Reasoning

In a code, SUNDAY is coded as HFMWZB, then how would FRIDAY be coded?

- A. UIRWZB
- B. UIZBRW
- C. IRWBU
- D. UBIZWU



Q32 General Intelligence and Reasoning

Read the given statement(s) and conclusions carefully and select which of the conclusions logically follow(s) from the statement(s).

Statement: Ram, despite his busy schedule, attended his friend's wedding. Relationships are to be maintained.

Conclusions:

- I. Ram maintains good relationships.
- II. Ram engages himself all the time.

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



Q33 General Intelligence and Reasoning

Consider the following statement and decide which of the conclusions follow from the statement.

Statement:

Rinky says to Renu, "Your mobile has all the latest features."

Conclusions:

- I. Rinky is tech savvy.
- II. Rinky likes Renu's mobile.

- A. Conclusion I alone follows** ✓
- B. Conclusion II alone follows
- C. Both the conclusions follow
- D. Neither conclusion I nor II follows

Q34 General Intelligence and Reasoning

A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

Statement:

For people with deep rooted ideologies, change is difficult to accept and adopt.

Arguments:

- I. There cannot be any change in the current social structure.
- II. As the society moves ahead in its overall beliefs, we are expected to change and adopt newer ways of lifestyle and social changes.

- A. Only I is strong.
- B. Only II is strong.** ✓
- C. Both I and II are strong.
- D. Neither I nor II is strong.

Q35 General Intelligence and Reasoning

Consider the statements and the following assumptions and decide which of the assumptions is/are implicit in the statement

Statement:

The chief guest at a painting exhibition applauded the paintings of a very renowned artist for his marvelous work

Assumptions:

- I. The painter is a very established famous artist
- II. The chief guest was impressed by his art work

- A. Only I is implicit
- B. Only II is implicit
- C. Both I and II are implicit
- D. Neither I nor II is implicit



Q36 General Intelligence and Reasoning

In the Arithmetic Progressive series 5, 11, 17, ... what will be the 23rd term?

- A. 137
- B. 139
- C. 140
- D. 135



Q37 General Intelligence and Reasoning

Complete the series:

AZB, CYD, EXF, GWH, IVJ, _____?

- A. KWL
- B. KUM
- C. KUL
- D. KTL



Q38 General Intelligence and Reasoning

Find the next term in this series

2C3, 6G7, 10K11, _____?

A. 14O15



B. 13N14

C. 13N15

D. 13O14

Q39 General Intelligence and Reasoning

Complete the series by choosing the correct term from options.

Z1, Y2, X3, Z, ?

A. V5, W6

B. V5, W4

C. W4, V5



D. W4, V6

Q40 General Intelligence and Reasoning

Read the given question and decide which of the following statements is/are sufficient to answer the question.

Question:

L, O, P and Q are standing in a circle. Who is standing to the right of P?

Statements:

1. P is the shortest of all.
2. L is standing to the left of Q and O is standing to the right of Q.

A. Statement 1 alone is sufficient.

B. Statement 2 alone is sufficient.



C. Statements 1 and 2 together are insufficient.

D. Statements 1 and 2 together are sufficient.



Q41 General Intelligence and Reasoning

You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question:

There are 3 ply boards of different sizes. Which ply has the maximum area?

Statements:

1. Ply1 is a square of width 15 cm.
2. 1 rectangular board with breadth 12 cm and length of 20 cm.

- A. Statement 1 and 2 together are sufficient.
- B. Statement 1 alone is sufficient.
- C. Statement 2 alone is sufficient.
- D. The statements are not sufficient. ✓

Q42 General Intelligence and Reasoning

The total income of a company increased from ₹ 30 lakhs to ₹ 50 lakhs from year 1 to year 2. At the end of the third year, the company earned ₹ 60 lakhs. What is the percentage increase in the income at the end of the third year from their initial year?

- A. 100 ✓
- B. 30
- C. 50
- D. 200

Q43 General Intelligence and Reasoning

Which of the statements is sufficient to answer the question?

Question:

Find the value of q.

Statements:

- 1) $x^2 + qx + 1 = 0$
- 2) The equation has solution as 1, 1

- A. Only statement 1 is sufficient
- B. Only statement 2 is sufficient
- C. Either statement 1 or 2 is sufficient
- D. Both statements 1 and 2 together are sufficient ✓



Q44 General Intelligence and Reasoning

Select the option that is related to the third term in the same way as the second term is related to the first term.

Chemistry: Atoms :: Biology: _____?

- A. Biometrics
- B. Molecules
- C. Neurons
- D. Cells



Q45 General Intelligence and Reasoning

Find the odd figure among the given options.

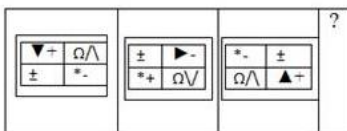
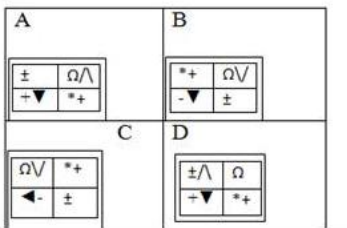
- A. $\sin 90^\circ$
- B. $\cos 0^\circ$
- C. $\tan 45^\circ$
- D. $\sec 30^\circ$



Q46 General Intelligence and Reasoning

Which of the option figure follows next in the series of Question figures?

Question figures:



- A. C
- B. A
- C. B
- D. D



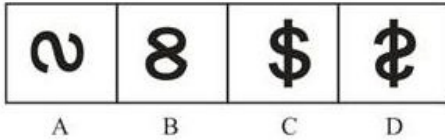
Q47 General Intelligence and Reasoning

Find the next figure in the given series.

Problem figures:



Answer figures:



A. A

B. B



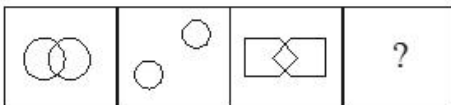
C. C

D. D

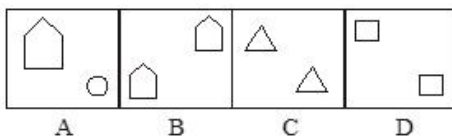
Q48 General Intelligence and Reasoning

Identify the figure that should follow next in the given series.

Problem figures:



Answer figures:



A. A

B. B



C. C

D. D

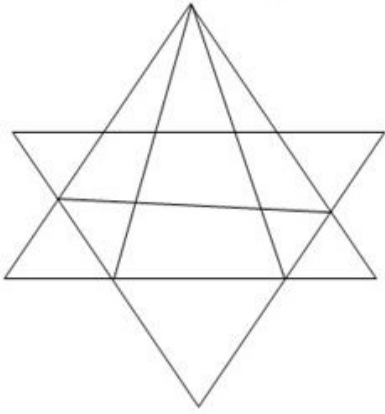


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Q49 General Intelligence and Reasoning

Find the number of triangles in the given figure.



A. 18

B. 23

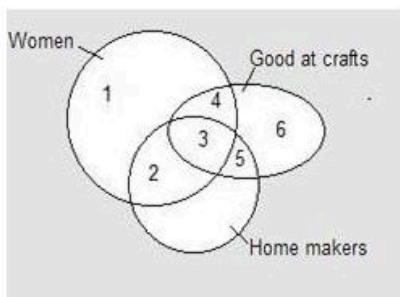
C. 31
all candidates.

D. 35

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q50 General Intelligence and Reasoning

The following Venn diagram shows women, home makers and those who are good at crafts. Find the total number of women who are good at crafts and who are not home makers.



A. 1

B. 2

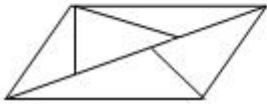
C. 6

D. 4



Q51 General Intelligence and Reasoning

How many triangles are there in the following figure?



A. 8

B. 7

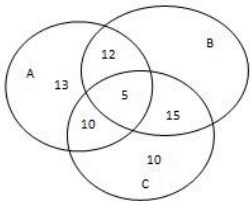
C. 9



D. 6

Q52 General Intelligence and Reasoning

The given Venn diagram represents the sports preferences of a group of 77 college students. There are three games: A - Badminton, B - Basketball and C - Tennis. How many students like to play Basketball but not Tennis?



A. 17

B. 15

C. 24



D. 35

Q53 General Intelligence and Reasoning

If southeast becomes north and northeast becomes west & so on then what does northwest become:

A. North

B. South



C. Northwest

D. Southwest



Q54 General Intelligence and Reasoning

Choose the correct water image of the following figure.

RAJ589D8

A. 8D9851AJR

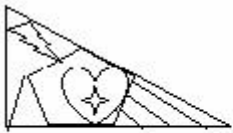


B. 8D9851AR

C. 8D985JAR

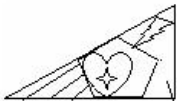
D. 8D985JAR

Q55 General Intelligence and Reasoning

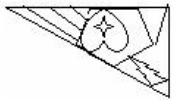


The mirror image of the above figure is:

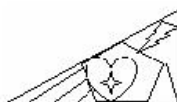
A.



B.



C.



D.



Q56 General Science

What happens to the force between two objects if the masses of both the objects are tripled?

- A. Force will get same time
- B. Force will get two time
- C. Force will get three time
- D. Force will get nine times



Q57 General Science

A car is moving with a velocity of 72 km/h. It takes 4 s to stop it after the brakes are applied. If the mass of the car is 1000 kg, the magnitude of the force exerted by the brakes is:

- A. $2.0 \times 10^2 \text{ N}$
- B. $3.0 \times 10^2 \text{ N}$
- C. $4.0 \times 10^3 \text{ N}$
- D. $5.0 \times 10^3 \text{ N}$



Q58 General Science

All forces have:

- A. Magnitude
- B. Direction
- C. Both Magnitude and Direction
- D. Density



Q59 General Science

Magnitude of displacement from initial position to final position is the:

- A. curved lines
all candidates.
- B. circle
- C. total distance
- D. straight line

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).



Q60 General Science

An object of mass 3 m is raised to a height h above ground level. Find the potential energy of the object.

A. $\frac{1}{3} mgh$

B. $3 mgh$ ✓

C. $6 mgh$

D. $9 mgh$

Q61 General Science

Which of the following statements is true for the law of conservation of energy?

A. Energy can only be created.

B. Energy can only be destroyed.

C. Energy is neither created nor destroyed. ✓

D. Energy is created as well as destroyed.

Q62 General Science

Work has _____.

A. only direction and no magnitude

B. no direction and only magnitude ✓

C. both direction and magnitude

D. no direction and no magnitude

Q63 General Science

Which of the following is a use of ultrasonography?

A. It is used to monitor the growth of a foetus inside the mother's womb. ✓

B. It is used to dissect organs.

C. It is used to observe the advantages of medicines.

D. It is used to read X-rays.



Q64 General Science

A spherical mirror, whose reflecting surface is curved outwards, is called a:

- A. Simple mirror
- B. Convex mirror
- C. Concave mirror
- D. Plain mirror

Q65 General Science

Crude oil is:

- A. colourless
- B. odourless
- C. Smelly, yellow to black liquid
- D. Odourless, yellow to black liquid

Q66 General Science

In a _____ circuit, the electricity has only one path to flow through.

- A. parallel
- B. series
- C. complete
- D. incomplete

Q67 General Science

The postulate that all atoms of an element are exactly alike was proved wrong with the discovery of _____.

- A. radioactivity
- B. allotropy
- C. isotopes
- D. isobars

Q68 General Science

What is the counting unit for a chemist?

- A. Molecule
- B. Anode
- C. Anion
- D. Mole



Q69 General Science

Which of these is not homoatomic molecules?

- A. N_2
- B. H_2
- C. P_4
- D. CO_2



Q70 General Science

When crystals are heated, water of crystallisation is lost and the substance turns into a/an _____ form.

- A. anhydrous
- B. crystalline
- C. vapour
- D. gaseous



Q71 General Science

What happens to an acid or a base in a water solution?

- A. Bases give H_3O^+ in water.
- B. Acids give OH^- in water.
- C. Bases give H^+ in water.
- D. Bases give OH^- in water.



Q72 General Science

Which of the following non-metals catches fire if it is exposed to air?

- A. Nitrogen
- B. Phosphorus
- C. Sulphur
- D. Uranium

Q73 General Science

Chose the INCORRECT one for Aldehydes.

- A. $\text{CHCOH} \rightarrow \text{methanal} \rightarrow \text{formaldehyde}$
- B. $\text{CH}_3\text{COH} \rightarrow \text{ethanal} \rightarrow \text{acetaldehyde}$
- C. $\text{C}_2\text{H}_5\text{COH} \rightarrow \text{propanal} \rightarrow \text{propaldehyde}$
- D. $\text{C}_3\text{H}_7\text{COH} \rightarrow \text{butanal} \rightarrow \text{butyraldehyde}$

Q74 General Science

Which one of the following is NOT a noble gas?

- A. Helium
- B. Krypton
- C. Chlorine
- D. Radon

Q75 General Science

Oxidation state of an atom represents:

- A. apparent charge in compound
- B. number of electrons lost
- C. number of electrons gained
- D. its vacancies

Q76 General Science

A group of cells similar in origin and structure and specialized to perform a particular function (eg, muscle cells in our body forms the muscles that brings about body movements) is called:

- A. Tissue ✓
- B. Muscle
- C. Phloem
- D. Fibres(bast)

Q77 General Science

_____ is present in the lining of kidney tubules.

- A. Squamous Epithelium
- B. Cuboidal Epithelium ✓
- C. Columnar Epithelium
- D. Parenchyma

Q78 General Science

_____ is not essential for photosynthesis.

- A. CO₂
- B. O₂ ✓
- C. Sunlight
- D. Chlorophyll

Q79 General Science

_____ carries sperms out of the testes.

- A. Ureters
- B. Urethra
- C. Vas deferens ✓
- D. Oviduct



Q80 General Science

The cavity of graafian follicle is called:

- A. amniotic cavity
- B. antrum
- C. liquor folliculi
- D. discus proligerous



General Awareness and Current Affairs

20 Questions • Answer Key

Q81 General Awareness and Current Affairs

India celebrates 29th August as the National Sports Day in honour of _____.

- A. Major Dhyan Chand
- B. J. Srinath
- C. P.T. Usha
- D. Milkha Singh



Q82 General Awareness and Current Affairs

With which sport Kidambi Srikanth a well-known personality is associated?

- A. Tennis
- B. Badminton
- C. Shooting
- D. Golf



Q83 General Awareness and Current Affairs

What is the total number of players in a football team?

- A. 14
- B. 12
- C. 11
- D. 10



Q84 General Awareness and Current Affairs

Who won the 60th Grammy Award (2017) in the category of Best New Artist?

- A. Alessia Cara
- B. Meghan Trainor
- C. Julia Michaels
- D. James Corden



Q85 General Awareness and Current Affairs

Who among the following was the recipient of the Tata Literature Live! 'Lifetime Achievement' Award for 2017?

- A. Anil Dharker
- B. Amitav Ghosh
- C. Girish Karnad
- D. Kiran Nagarkar



Q86 General Awareness and Current Affairs

Who is the author of the book 'Recasting India: How Entrepreneurship is Changing the World's Largest Democracy'?

- A. Durjoy Dutta
- B. Hindol Sengupta
- C. Sashi Taroor
- D. Anita Desai



Q87 General Awareness and Current Affairs

Where was the 105th National Science Congress held in March 2018?

- A. Goa
- B. Manipur
- C. Delhi
- D. Assam



Q88 General Awareness and Current Affairs

Which is the highest decoration of valour award for the most conspicuous act of bravery or self-sacrifice in the presence of the enemy, whether on land, at sea or in the air?

- A. Dhyanchand Award
- B. Padma Shri
- C. Param Vir Chakra
- D. Bharat Ratna



Q89 General Awareness and Current Affairs

Who built India's cheapest passenger car amongst other achievements?

- A. Dorabji Tata
- B. Jamsetji Tata
- C. Ratan Tata
- D. Naval Tata



Q90 General Awareness and Current Affairs

The headquarters of NITI Aayog is located in which city?

- A. Chennai
- B. New Delhi
- C. Bengaluru
- D. Jaipur



Q91 General Awareness and Current Affairs

Name the Indian state that is pioneering in driving a state-led business incubator for women entrepreneurs.

- A. Maharashtra
- B. Telangana
- C. Rajasthan
- D. Odisha



Q92 General Awareness and Current Affairs

The _____ commission was appointed to examine the centre-state relations in India in 1983.

- A. Punchhi
- B. Dhar
- C. Shri Krishna
- D. Sarkaria



Q93 General Awareness and Current Affairs

Chabahar port which is being constructed by India, is located in which country?

- A. Bangladesh
- B. Iran
- C. Iraq
- D. Thailand



Q94 General Awareness and Current Affairs

Ellora temples were built by the _____.

- A. Pandyas
- B. Cholas
- C. Rashtrakutas
- D. Cheras



Q95 General Awareness and Current Affairs

The Marathas lost power to Ahmad Shah Abdali in _____.

- A. 1763
- B. 1764
- C. 1761
- D. 1762



Q96 General Awareness and Current Affairs

Saffron is a product of _____.

- A. Jammu and Kashmir
- B. Arunachal Pradesh
- C. West Bengal
- D. Goa

Q97 General Awareness and Current Affairs

The Basilica of Bom Jesus is situated in _____.

- A. Mumbai
- B. Goa
- C. Fort Kochi
- D. Bangalore

Q98 General Awareness and Current Affairs

Which of the following is a direct tax?

- A. Sales tax
- B. Income tax
- C. Customs duty
- D. Excise duty

Q99 General Awareness and Current Affairs

Which railway became the 1st Rail Zone with 100% LED Lighting at Stations?

- A. South Eastern Railway
- B. Central Railway
- C. South Central Railway
- D. Western Railway



Which Indian bank has tied up with Bajaj Electricals for vendor financing using blockchain solutions?

A. Dena Bank

B. Yes Bank



C. HDFC Bank

D. ICICI Bank



Mathematics

25 Questions • Answer Key

Q1 Mathematics

$\frac{3}{4}$, when multiplied by another number, gives $\frac{5}{8}$. That number is:

A. $\frac{32}{15}$

B. $\frac{5}{12}$

C. $\frac{5}{6}$ ✓

D. $\frac{15}{32}$

Q2 Mathematics

The HCF of 117 & 195 is:

A. 3

B. 13

C. 39 ✓

D. 65

Q3 Mathematics

$$64 \div 4^2 \times 2 + 2 =$$

A. 4

B. 10 ✓

C. 1

D. 8

Q4 Mathematics

Rashi can cycle @ 12 km an hour and walk @ 4 km an hour. To cover a distance of 66 km, she takes 8.5 hours. How many kilometres did she cover on foot?

A. 24 km

B. 36 km

C. 30 km

D. 18 km ✓



Q5 Mathematics

The LCM of 86 & 129 is:

A. 172

B. 258



C. 344

D. 516

Q6 Mathematics

Which of the following numbers is prime?

A. 133

B. 143

C. 153

D. 163



Q7 Mathematics

$\frac{5}{9}$, when multiplied by another number gives $\frac{10}{3}$. What is the other number?

A. $\frac{27}{2}$

B. 6



C. 3

D. $\frac{8}{3}$

Q8 Mathematics

When you reverse the digits of the number 14, the number increases by 27. How many other two-digit numbers increase by 27 when their digits are reversed?

A. 5



B. 6

C. 8

D. 9



Q9 Mathematics

₹ 231 is divided in the ratio 7 : 4. The smaller share is equal to _____.

A. ₹147

B. ₹ 84



C. ₹ 66

D. ₹ 132

Q10 Mathematics

33 out of 60 is ____%.

A. 60

B. 58

C. 55



D. 52

Q11 Mathematics

The ratio of boys to girls in a school is 9 : 11. If 50 boys are admitted and 50 girls leave the school, the ratio becomes 13 : 15. The original number of girls in the school is:

A. 1925



B. 1650

C. 1575

D. 1850

Q12 Mathematics

A sum of money invested at 15% simple interest p.a. for 3 years yields the same interest as another sum invested at 12% simple interest p.a. for 5 years. What is the ratio of the two sums invested?

A. 5 : 3

B. 4 : 3



C. 5 : 4

D. 6 : 5



Q13 Mathematics

After meeting with an accident, a train starts moving at $\frac{2}{3}$ its speed. Due to this, it is 45 minutes late. Find the original time of the journey beyond the point of the accident.

A. 90 minutes



B. 45 minutes

C. 135 minutes

D. 120 minutes

Q14 Mathematics

In a computer game a builder can build a wall in 10 hours while a destroyer can demolish such a wall completely in 25 hours. Both the builder and the destroyer were initially set to work together on level ground. But after 15 hours the destroyer was taken out. What was the total time taken to build the wall?

A. 16 hours 20 mins

B. 16 hours



C. 18 hours 24 mins

D. 17 hours 2 mins

Q15 Mathematics

A person driving at a speed of 48 km/h reaches office 1.5 minutes early while she reaches 4.5 minutes late if driving at 36 km/h. What is the distance (in km) that she is covering?

A. 15.6

B. 14.4



C. 15.4

D. 14.6

Q16 Mathematics

Two inlet pipes A and B can fill an empty cistern in 22 and 33 hours, respectively. They are switched on together but pipe B had to be closed 7 hours before the cistern was full. How many hours in all did it take the two pipes to fill the cistern?

A. 16



B. 15

C. 16.2

D. 14.2



Q17 Mathematics

A clock is set at 5.00 am in the morning. How many degrees would the hour hand have cumulatively covered, when the time is 10 am?

- A. 90°
- B. 110°
- C. 120°
- D. 150°

**Q18** Mathematics

A man is 6 times as old as his son now. In 6 years' time, their ages will be in the ratio of 7 : 2. Find the current age of his son.

- A. 5 years
- B. 6 years
- C. 8 years
- D. 10 years

**Q19** Mathematics

The larger of the two angles made by the hour hand and the minute hand of a clock at 7 : 29 : 30 hours is:

- A. 313.25°
- B. 311.25°
- C. 312.25°
- D. 314.25°

**Q20** Mathematics

The length, breadth and height of a room are in the ratio 8 : 7 : 5. If the length halves, the breadth doubles and the height halves, by what percentage would the cost of painting the four walls of the room reduce?

- A. 32.5
- B. 35
- C. 37.5
- D. 40



Q21 Mathematics

Two sides of a quadrilateral are 64 cm and 48 cm in length and the angle between them is 90° . The other two sides are 50 cm each. The other three angles of the quadrilateral are not right angles. What is the area of the quadrilateral?

A. $2,736 \text{ cm}^2$ ✓

B. $2,516 \text{ cm}^2$

C. $2,836 \text{ cm}^2$

D. $2,916 \text{ cm}^2$

Q22 Mathematics

$\tan \theta = \alpha \Rightarrow \tan^{-1} \alpha = \theta$ and $\cot \phi = \beta \Rightarrow \cot^{-1} \beta = \phi$. Then the value of $\tan^{-1} \gamma + \cot^{-1} \gamma$ is:

A. 30°

B. 45°

C. 60°

D. 90° ✓

Q23 Mathematics

One-fourth of a certain number exceeds one-fifth of its succeeding number by 3. Find the original number.

A. 44

B. 54

C. 59

D. 64 ✓

Q24 Mathematics

Five students, Pankaj, Qadar, Ram, Seema and Tarun, appeared for an examination and scored marks as follows:

Average of marks scored by Pankaj, Qadar and Ram is 70.

Average of marks scored by Pankaj, Qadar, Ram and Seema is 70.

Average of marks scored by Qadar, Ram, Seema and Tarun is 85.

Tarun scored 30 marks more than Seema.

How many marks did Pankaj score in the examination?

A. 80 marks

B. 40 marks ✓

C. 90 marks

D. 70 marks



Q25 Mathematics

Given that $A = \tan 30^\circ$ and $B = \frac{\tan 60^\circ - \tan 30^\circ}{1 + \tan 60^\circ \tan 30^\circ}$ which of the relations stated below is true?

A. $A = B$



B. $A > B$

C. $A < B$

D. $A + B = 1$

General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning

T is the grand-daughter of H, and H is the mother of N. Who is H to T?

A. Grand-father

B. Grand-mother



C. Mother

D. Sister

Q27 General Intelligence and Reasoning

'Water' is related to 'Well' in the same way 'Dolphin' is related to: _____.

A. 'Picture'

B. 'Vessel'

C. 'Sea'



D. 'Land'



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Q28 General Intelligence and Reasoning

Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statement:

- All comedians are heroes.
- All heroes are artists.

Conclusions

1. All comedians are artists.
2. Some heroes are comedians.

- A. Only conclusion 1 follows
- B. Only conclusion 2 follows
- C. Neither conclusion 1 nor 2 follows
- D. Both conclusions 1 and 2 follows ☒

Q29 General Intelligence and Reasoning

Rajesh has a sister Kiran. Rajesh is son of Chandan who is son of Ramesh. How Kiran is related to Ramesh?

- A. Sister
- B. Daughter
- C. Granddaughter ☒
- D. Mother

Q30 General Intelligence and Reasoning

Read the given statement followed by two arguments labelled I and II and decide which of the given arguments is/are strong with respect to the statement.

Statement:

Should educational institutes allow their students to join student unions that are sponsored by political parties?

Arguments:

1. No. The decision will politicise the educational environment of their institute.
2. Yes. The decision will help students nurture their talent and develop into future political leaders.

- A. Only argument 1 is strong.
- B. Only argument 2 is strong.
- C. Either argument 1 or 2 is strong.
- D. Both arguments 1 and 2 are strong. ☒



Q31 General Intelligence and Reasoning

Read the given statements and conclusions carefully and select which of the conclusions logically follow(s) from the statements.

Statement:

1. All the cherries are berries.
2. Some apples are berries.

Conclusions:

1. All cherries are apples.
2. Some apples are cherries.

- A. Only (1) follows
- B. Only (2) follows
- C. Either (1) or (2) follows
- D. Neither (1) nor (2) follows



Q32 General Intelligence and Reasoning HINDI - no English version saved

दिए गए दो कथनों और निष्कर्षों को पढ़ें और कथन का तर्कसंगत ढंग से अनुसरण करने वाले निष्कर्षों का चयन करें।

कथन: "मौके का फायदा उठाना", एक कहावत है।

निष्कर्ष:

- I. जब अवसर मिले तो उसका फायदा उठाना चाहिए।
- II. अवसर के बिना कोई फायदा नहीं मिलता।

- A. केवल I अनुसरण करता है।
- B. केवल II अनुसरण करता है।
- C. न तो I न ही II अनुसरण करता है।
- D. दोनों I एवं II अनुसरण करते हैं।



Q33 General Intelligence and Reasoning

Read the given statement and the following conclusions carefully and select which of the conclusions logically follow(s) from the statement.

Statement:

“My children love swimming”, said Perna to her friend.

Conclusions:

- I. Perna has children.
- II. She takes them for swimming.

A. Conclusion I alone follows.

B. Conclusion II alone follows.

C. Both the conclusions follow.



D. Neither conclusion I nor II follows.

Q34 General Intelligence and Reasoning

A statement is followed by two arguments. Decide which of the arguments is/are strong with respect to the statement.

Statement:

Should the government shut down all government organisations to arrest the misuse of funds?

Arguments:

- I) Yes, public funds will be saved by shutting down government organisations.
- II) No, services from the government organisation cannot be handed over to the private institutions.

A. Only I is strong

B. Only II is strong



C. Neither I nor II is strong

D. Either I or II is strong



Q35 General Intelligence and Reasoning HINDI - no English version saved

कथन और निम्नलिखित धारणाओं पर विचार करें और निर्णय लें कि कथन में कौन सी धारणाएँ अंतर्निहित हैं।

कथन:

एक नए छोटे परिसर में स्थानांतरित होने के बाद, कंपनी ने अपने प्रत्येक विभाग के लिए दोपहर के भोजन के समय में बदलाव की घोषणा की।

धारणाएँ:

- I. लंच एरिया छोटा है और केवल सीमित संख्या में लोगों को समायोजित कर सकता है।
- II. वे नहीं चाहते कि उनके कर्मचारी समूह में घुलें-मिलें।

A. केवल I निहित है।



B. केवल II निहित है।

C. I और II दोनों निहित हैं।

D. न तो I और न ही II निहित है।

Q36 General Intelligence and Reasoning

Find the next number in the series.

18, 23, 33, 48, 68, ?

A. 100

B. 95

C. 97

D. 93



Q37 General Intelligence and Reasoning

Insert mathematical symbols in the place of the question marks (?) to get the result.

$$((120?150)?5)?10 = -0.6$$

A. +, ×, ×

B. -, ÷, ÷



C. -, ×, ÷

D. +, ÷, ÷



Q38 General Intelligence and Reasoning

Find the next term in the following series.

A1C3, E5G7, I9K11, _____

A. M13O15



B. M13O16

C. M12O15

D. M12O14

Q39 General Intelligence and Reasoning

Choose the missing terms from the options.

P5QR, P4QS, _____, _____, P1QV

A. P2QW , P3QT

B. PQV2, P4QT

C. P3QT, P2QU



D. PQ3U, P4QW

Q40 General Intelligence and Reasoning

Read the given question and decide which of the following statements is/are sufficient to answer the question.

Question:

K, J, M and B are standing in a circular format. Who is standing to the right of K?

Statements:

1. To the left of M is J, and to the left of J is B.
2. K is the tallest of all.

A. Statement 1 alone is sufficient.



B. Statements 1 and 2 together are sufficient.

C. Statement 2 alone is sufficient.

D. Statements 1 and 2 together are insufficient.



Q41 General Intelligence and Reasoning

You are given a question and two statements. Identify which of the statements is/are necessary/sufficient to answer the question.

Question:

What is the code for "T"?

Statements:

1. In a code language "I am here" is written as "N em ida".
2. "I like icecream" is written as "N el crema".

A. Statement 1 and 2 together are sufficient.



B. Statement 1 alone is sufficient.

C. Statement 2 alone is sufficient.

D. Either 1 or 2 are not sufficient.

Q42 General Intelligence and Reasoning

Consider the following question and decide which of the statements is sufficient to answer the question.

Question:

How is Bhavna related to Satish?

Statements:

- I) Bhavna's mother is Rajyam.
- II) Rajyam's son is Satish.

A. Only statement I is sufficient while statement II is not

B. Only statement II is sufficient while statement I is not

C. Neither statement I nor II is sufficient

D. Both statements I and II are sufficient



Q43 General Intelligence and Reasoning

Consider the following question and decide which of the statements is sufficient to answer the question.

Question

Find the value of n .

Statements:

- 1) $x^2 - 2nx + 81 = 0$
- 2) The equation has the solution as '9'

- A. Only statement 1 is sufficient
- B. Only statement 2 is sufficient
- C. Both statement 1 and 2 are sufficient
- D. Neither statement 1 nor 2 is sufficient

Q44 General Intelligence and Reasoning

Nip is related to Crush in the same way as Cold is related to:

- A. Hot
- B. Small
- C. Chilled
- D. Peak

Q45 General Intelligence and Reasoning

Find the next figure for the given series:

Problem figures:

B/4	D/16	F/36	?
-----	------	------	---

Answer figures:

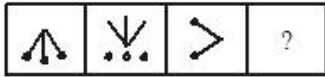
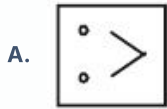
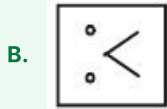
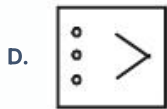
C/9	H/64	H/36	J/81
A	B	C	D

- A. A
- B. B
- C. C
- D. D



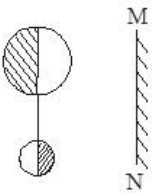
Q46 General Intelligence and Reasoning

Find the figure that is related to the third figure in the same way as the second figure is related to the first figure.

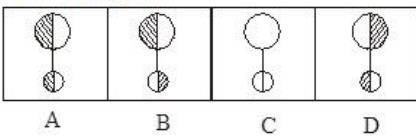


Q47 General Intelligence and Reasoning

Find the mirror image of the given figure if the mirror is placed at line MN.



Answer figures:



A. A

B. B

C. C

D. D

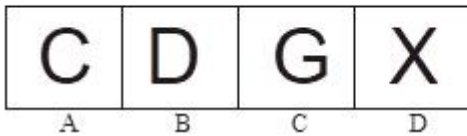


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Q48 General Intelligence and Reasoning

Find the odd one out from among the given figures.



A. A

B. B

C. C

D. D



Q49 General Intelligence and Reasoning

Six kids are sleeping next to each other. Dhruv is sleeping on the left of Swayam. Shlok is sleeping on the right of Advait, one kid away from Tanmay. Neither Ved nor Swayam are sleeping at the extreme ends.

Who is at the extreme right?

A. Ved

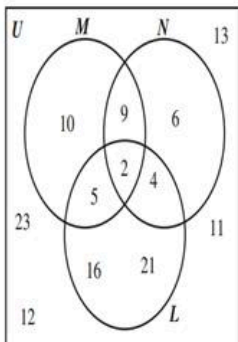
B. Shlok

C. Dhruv

D. Tanmay



Q50 General Intelligence and Reasoning



Study the given diagram carefully. Set U is the universal set and Set L, M and N represent students studying History, Geography and Language, respectively.

The total number of students NOT studying any subject is:

A. 58

B. 59

C. 60

D. 61



Q51 General Intelligence and Reasoning

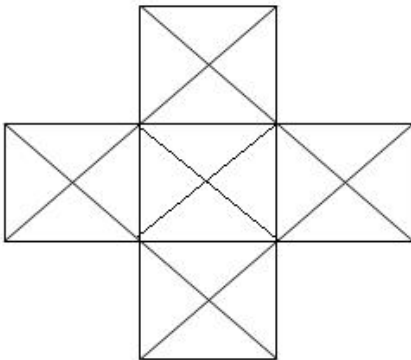
Choose the Venn diagram which best represents the following classes:

Fruits, Kiwi, Apple.



Q52 General Intelligence and Reasoning

How many triangles are present in the below figure?



A. 42

B. 52



C. 32

D. 30



Q53 General Intelligence and Reasoning

Mamata was running towards East direction. Her friend was running in opposite direction. In which direction her friend was running?

- A. East
- B. West
- C. North
- D. South



Q54 General Intelligence and Reasoning

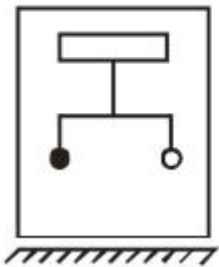
Two friends enter a restaurant. They were given a table just adjacent to the entrance with two seats. They sit opposite to each other. One of the friends is seated at 90 degrees from the entrance. If while entering they faced East, in which direction are they sitting with respect to entrance?

- A. South-East
- B. East -West
- C. South-West
- D. North-West



Q55 General Intelligence and Reasoning

Choose the mirror image for the following figure:



- A.
- B.
- C.
- D.



Q56 General Science

An object travels 15 m in 8 s and then another 25 m in 12 s. What is the average speed of the object?

A. 4 ms^1

B. 4 ms^{-1}

C. 2 ms^{-1} ✓

D. 2 ms^1

Q57 General Science

Find the odd one out.

A. Negative acceleration

B. Deceleration

C. Positive acceleration ✓

D. Retardation

Q58 General Science

_____ is the change in velocity per unit time.

A. Momentum

B. Acceleration ✓

C. Inertia

D. Force

Q59 General Science

A passenger falls in the forward direction when a moving bus applies brakes to stop and falls backwards when it accelerates from rest. This is because of _____.

A. momentum

B. force

C. displacement

D. inertia ✓



Q60 General Science

A certain household has consumed 245 units of energy during a month. How much energy is this in joules?

- A. 882×10^8 joules
- B. 245×10^6 joules
- C. 882×10^6 joules
- D. 918×10^{-8} joules



Q61 General Science

Which one of the following has only magnitude and no direction?

- A. Force
- B. Momentum
- C. Velocity
- D. Work



Q62 General Science

5.4 kwh = ?

- A. 14.0×10^6 J
- B. 14.4×10^6 J
- C. 19.44×10^5 J
- D. 14.4×10^8 J

all candidates.

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q63 General Science

The line that joins the centre of curvature and the pole of a curved surface is called:

- A. focal point
- B. focus
- C. principal axis
- D. radius of curvature



Q64 General Science

A source produces 10 crests and 10 troughs in 0.1 second. What is the frequency of the wave produced?

- A. 108 Hz
- B. 120 Hz
- C. 100 Hz
- D. 150 Hz



Q65 General Science

Select the odd material out of the following.

- A. Rubber
- B. Diamond
- C. Glass
- D. Aluminium

all candidates.

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q66 General Science

It is the product of power and time; its unit is W-s and KWH. What is it called?

- A. Potential energy
- B. Power
- C. Electrical energy
- D. Electric conductivity



Q67 General Science

The chemical formula of Plaster of Paris is:

- A. $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$
- B. $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
- C. $\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$
- D. $\text{CaSO}_4 \cdot \frac{1}{2} \text{H}_2\text{O}$



Q68 General Science

Which elements combine to form Ammonia?

- A. Hydrogen, Oxygen and Nitrogen
- B. Hydrogen and Nitrogen
- C. Hydrogen and Oxygen
- D. Hydrogen, Chlorine and Nitrogen

Q69 General Science

The molecular mass of nitrogen is 28. Its atomic mass is 14. The atomicity of nitrogen is _____.

- A. 28
- B. 14
- C. 2
- D. 1

Q70 General Science

Lemon juice has a pH of.

- A. 2
- B. 6
- C. 8
- D. 12

Q71 General Science

Which one of the below is not a property of acids?

- A. Their presence turns blue litmus red
- B. They act as electrolyte in solution
- C. They corrode metal surfaces slowly
- D. Their presence turns red litmus blue



Q72 General Science

A crucible used in laboratories to heat solids at a high temperature is made of:

- A. Copper
- B. Silicon
- C. Graphite
- D. Aluminium



Q73 General Science

Which of the following is NOT TRUE about non-metals?

- A. Solid non-metals are soft and dull.
all candidates.
- B. Non-metals are sonorous.
- C. They are poor conductors of heat and electricity.
- D. They are not malleable and ductile.

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q74 General Science

Which of these is NOT an alkaline earth metal?

- A. Beryllium
- B. Magnesium
- C. Calcium
- D. Potassium



Q75 General Science

Name the Group and Period of Modern Periodic Table in which Carbon is placed?

- A. Third period and thirteenth group
- B. Seventh period and fourteenth group
- C. Second period and fourteenth group
- D. Fifth period and Fifteenth group



Q76 General Science

Human insulin is being commercially produced from a transgenic species of:

- A. *Escherichia* ✓
- B. *Saccharomyces*
- C. *Rhizobium*
- D. *Mycobacterium*

Q77 General Science

The function of nervous tissues is to conduct messages:

- A. in half part of the body
- B. throughout the body ✓
- C. in the lower part of the body
- D. in the upper part of the body

Q78 General Science

Involuntary actions including blood pressure, salivation and vomiting are controlled by the _____.

- A. Spinal cord
- B. Cerebellum
- C. Medulla ✓
- D. Pons

Q79 General Science

Which of the following plants belongs to the category of Pteridophyta?

- A. Ulothrix
- B. Cladophora
- C. Marsilea ✓
- D. Chara



Q80 General Science

Which of the following hormones is secreted by the pituitary to start the ovulation process?

- A. Thyroid
- B. Luteinising hormone
- C. Oestrogen
- D. Progesterone



General Awareness and Current Affairs

20 Questions • Answer Key

Q81 General Awareness and Current Affairs

How many medals did India win at Strandja Memorial Boxing Tournament?

- A. 10
- B. 12
- C. 15
- D. 11



Q82 General Awareness and Current Affairs

R. Pragnanandhaa recently became the youngest Grandmaster of India in which game/sport?

- A. Table tennis
- B. Judo
- C. Chess
- D. Volley ball



Q83 General Awareness and Current Affairs

With which of the following game/sport 'Salt lake World Cup' is associated?

- A. Archery
- B. Shooting
- C. Swimming
- D. Boxing



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Q84 General Awareness and Current Affairs

The prestigious Arjuna awards were instituted by the government of India in which year?

- A. 1991
- B. 1981
- C. 1971
- D. 1961



Q85 General Awareness and Current Affairs

Who received the Padma Shri in 2017 for his contribution to Limboo language and literature?

- A. Til Bikram Nembang
- B. Upendra Subba
- C. Balkrishna Mabuhang
- D. Birkha Bahadur Muringla



Q86 General Awareness and Current Affairs

Which of the following paintings are famous in Bihar?

- A. Madhubani
- B. Bani-thani
- C. Tamasha
- D. Kalamkari



Q87 General Awareness and Current Affairs

Who has won the Lifetime achievement award in Political and Public life awards at U.K, 2018?

- A. Rajnath Singh
- B. Arun Jaitley
- C. Satrugshan Sinha
- D. Yashwanth Sinha



Q88 General Awareness and Current Affairs

Who is the first woman in the world to have swam across sea channels of five continents?

- A. Nafisa Ali
- B. Damini Gowda
- C. Bula Choudhury
- D. Vaania Kapoor Achuthan



Q89 General Awareness and Current Affairs

Which Indian state has won the 'Geospatial World Excellence Award-2018' for successful IT application?

- A. Jharkhand
- B. Chhattisgarh
- C. Odisha
- D. Andhra Pradesh



Q90 General Awareness and Current Affairs

Who among the following was the Foreign Secretary of India in 2017?

- A. Ashok Khemka
- B. S Dasgupta
- C. Pavan Varma
- D. S Jaishankar



Q91 General Awareness and Current Affairs

M Natarajan, a prominent personality in Tamil Nadu politics, passed away very recently. He is:

- A. Jayalalitha's brother
- B. Jayalalitha's nephew
- C. Sasikala's brother
- D. Sasikala's husband



Q92 General Awareness and Current Affairs

BJP's five-time MLA Jai Ram Thakur was sworn in as the 14th Chief Minister of _____.

- A. Haryana
- B. Arunachal Pradesh
- C. Uttar Pradesh
- D. Himachal Pradesh



Q93 General Awareness and Current Affairs

For which state has the Seema Darshan project been approved?

- A. Gujarat
- B. West Bengal
- C. Jammu & Kashmir
- D. Kerala



Q94 General Awareness and Current Affairs

_____ was born in a grove known as Lumbini, near the city of Kapilavastu.

- A. Bimbisara
- B. Ashoka
- C. Mahavira
- D. Gautama Buddha



Q95 General Awareness and Current Affairs

Edwin Lutyen's designed a part of Delhi between 1912 to _____.

- A. 1931
- B. 1923
- C. 1901
- D. 1910



Q96 General Awareness and Current Affairs

The _____ passes through the middle of India.

- A. Arctic Circle
- B. Equator
- C. Tropic of Capricorn
- D. Tropic of Cancer



Q97 General Awareness and Current Affairs

_____ is a coastal state on the west of India.

- A. Goa
- B. Rajasthan
- C. Tamil Nadu
- D. West Bengal



Q98 General Awareness and Current Affairs

With reference to Indian economy, what is the full form of FDI?

- A. Foreign Direct Intelligence
- B. Foreign Domestic Investment
- C. Foreign Domestic Intelligence
- D. Foreign Direct Investment



Q99 General Awareness and Current Affairs

Which state of India is the leading producer of tea?

- A. West Bengal
- B. Gujarat
- C. Assam
- D. Sikkim



Q100 General Awareness and Current Affairs

_____, Bangladesh and ____ have signed tripartite memorandum of understanding (MoU) for cooperation in construction of Rooppur nuclear power plant near Dhaka, Bangladesh.

A. India, Russia



B. India, Germany

C. India, Japan

D. India, Nepal



Mathematics

25 Questions • Answer Key

Q1 Mathematics

$\frac{5}{12}$ of a number is $\frac{3}{4}$. What is the number?

A. $1\frac{4}{5}$



B. $3\frac{1}{5}$

C. $1\frac{5}{16}$

D. $1\frac{7}{15}$

Q2 Mathematics

The HCF of 117 and another number is 13. The other number CANNOT be:

A. 130

B. 143

C. 156



D. 169

Q3 Mathematics

What is the square root of 16129?

A. 117

B. 143

C. 137

D. 127



Q4 Mathematics

$5.4 \times 0.0015 = \underline{\hspace{1cm}} ?$

A. 0.81

B. 0.081

C. 0.0081



D. 0.00081



Q5 Mathematics

$$3\sqrt{147} - \frac{7}{3}\sqrt{\frac{1}{3}} + 7\sqrt{\frac{1}{3}} = ?$$

A. $\frac{203}{9}\sqrt{3}$



B. $\frac{200}{9}\sqrt{3}$

C. $\frac{403}{9}\sqrt{3}$

D. $\frac{400}{9}\sqrt{3}$

Q6 Mathematics

Which of the following numbers is divisible by 6?

A. 12340

B. 12344

C. 12346

D. 12348



Q7 Mathematics

Which of the numbers given below is divisible by 3?

A. 1111

B. 1311



C. 1411

D. 1711

Q8 Mathematics

$276x1$ is divisible by 3. What is the sum of the possible values of x?

A. 21

B. 18

C. 15



D. 12



Q9 Mathematics

If $\frac{\sqrt{3}-1}{\sqrt{3}+1} = a + b\sqrt{3}$; then $a^2 + b^2 = ?$

A. 5



B. 6

C. 7

D. $\sqrt{8}$

Q10 Mathematics

Ramesh had 50 paise coins, ₹ 1 coins and ₹ 5 coins in the ratio of 2 : 3 : 5. The total amount of money with Ramesh is ₹ 116. What is the number of 50 paise coins with him?

A. 4

B. 8



C. 6

D. 12

Q11 Mathematics

A sum of money was divided between Shivani and Pranita in the ratio 5 : 7. If Pranita gave ₹ 5 to Shivani, the ratio would change to 3 : 4. What is the sum of money that got divided?

A. ₹ 432

B. ₹ 408

C. ₹ 396

D. ₹ 420



Q12 Mathematics

The ratio between two numbers is 19 : 26. If 2 is added to the smaller number, the ratio changes to 3 : 4. What is the larger number?

A. 104



B. 91

C. 130

D. 78



Q13 Mathematics

Raksha can complete a piece of work in 27 days while Esther takes 45 days to complete the work. They start working together, but Raksha leaves 9 days before the work gets over. For how many days does Esther work?

A. 13.5

B. 18

C. 22.5



D. 27

Q14 Mathematics HINDI - no English version saved

A और B 1.8 दिनों में एक काम पूरा कर सकते हैं। हालांकि, यदि A अकेले काम करता है, तो आधा काम पूरा करता है और अवकाश लेता है और फिर B अकेले काम करता है और बाकी काम पूरा करता है, काम पूरा करने में 3.75 दिनों का समय लगता है। यदि B, A से अधिक कुशल है, तो B ने खुद इस काम को पूरा करने में कुल कितना समय लिया होगा?

A. 2.25

B. 2.7

C. 3.0



D. 3.3

Q15 Mathematics

A 141.5 m long train, travelling at 57 km/h, crosses a platform in 39 seconds. What is the length of the platform?

A. 461 m

B. 476 m



C. 613.5 m

D. 586 m

Q16 Mathematics

Ankita is two years younger than Anu. Four years hence Anu will be twice as old as Ankita's age three years ago. Find the present ages of Ankita and Anu.

A. 12 years and 14 years



B. 14 years and 16 years

C. 15 years and 17 years

D. 13 years and 15 years



Q17 Mathematics

A tank can be filled by tap A in 3 hrs and B can fill the same in 4 hrs. Tap C can empty the filled tank in 6 hrs. If all the three taps are opened simultaneously, how much time will be taken to fill the tank completely?

- A. 8 hrs
- B. $\frac{10}{7}$ hrs
- C. $\frac{12}{5}$ hrs
- D. 5 hrs

**Q18 Mathematics**

A tank can be filled in 10 hours through a tap. However, due to a leak it takes 11 hours to fill. The tap is stopped when the tank is full. How many hours would it take the tank to be empty due to the leak?

- A. 100
- B. 130
- C. 50
- D. 110

**Q19 Mathematics**

The radius of a sphere is equal to thrice the radius of the base of a cylinder. The height of the cylinder is nine times the radius of its base. If the numerical values of the total surface area of the cylinder and that of the volume of the sphere are the same, what is the height of the cylinder?

- A. 4.5 units
- B. 2.25 units
- C. 5 units
- D. 3 units

**Q20 Mathematics**

A tent is such that the bottom part is a cylinder to a height of 24 m with a diameter of 126 m; and the top part is a cone with the same diameter of the base of 126 m and slant height of 80 m. The canvas is 8 m wide. Calculate the length of the canvas required to make the tent.

- A. 3190 m
- B. 3168 m
- C. 3296 m
- D. 3020 m



Q21 Mathematics

If $\sin \theta = \cos \theta$, then $\sec \theta = ?$

A. 1

B. $\sqrt{2}$



C. $\frac{1}{\sqrt{2}}$

D. 2

Q22 Mathematics

$\operatorname{cosec} \theta = \alpha \Rightarrow \operatorname{cosec}^{-1} \alpha = \theta$ and $\sec \phi = \beta \Rightarrow \sec^{-1} \beta = \phi$. Then the value of $\operatorname{cosec}^{-1} \gamma + \sec^{-1} \gamma =$

A. 30°

B. 45°

C. 60°

D. 90°

**Q23** Mathematics

If the equations $20x + 5y + 11 = 0$ and $50x - ky - 9 = 0$ have no solution, then the value of k is:

A. 12.5

B. 18

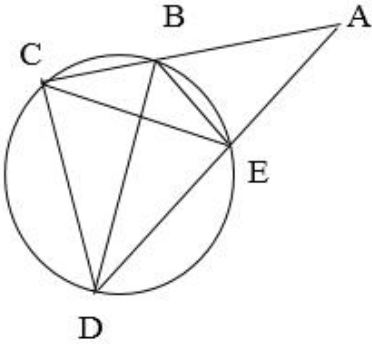
C. -12.5



D. -18



Q24 Mathematics



In the figure given above, $\angle BAE = 30^\circ$, $\angle ABE = 80^\circ$ and $\angle DBE = 50^\circ$. What is the measure of $\angle BCE$?

A. 10°

B. 20°



C. 25°

D. 5°

Q25 Mathematics

The mean of three numbers is 21. The range of this data set is 12 and the difference between the two smallest numbers is 3. The greatest of the three numbers is:

A. 24

B. 25

C. 27

D. 28



General Intelligence and Reasoning

30 Questions • Answer Key

Q26 General Intelligence and Reasoning HINDI - no English version saved

रमन ने अनंत से कहा, "परसों मैंने अपनी दादी की पुत्री के एकमात्र भाई को पढ़ाया"। रमन ने किसे पढ़ाया था?

A. पिता



B. पुत्र

C. ससुर

D. भाई



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Q27 General Intelligence and Reasoning HINDI - no English version saved

सुपरमैन ग्रह क्रिप्टन पर उड़ रहा है। क्रिप्टन आकार में गोलाकार है। वह पुणे शहर में है, जो भूमध्य रेखा पर स्थित है। वह अभी उत्तरी ध्रुव की ओर सम्मुख है। वह भूमध्य रेखा को पार करते हुए अपने बायीं ओर उड़ने लगता है और मुंबई पहुंच जाता है, जो पुणे शहर की भूमध्य रेखा के ठीक विपरीत है। वह दक्षिणी ध्रुव की ओर उड़ने का फैसला करता है, लेकिन वह आधे रास्ते में दिल्ली शहर पर रुक जाता है। क्रिप्टन के केंद्र को एक संदर्भ बिंदु मानते हुए, निम्नलिखित कोणों के माप क्या हैं?

1. पुणे-केंद्र-दिल्ली
2. पुणे-केंद्र-मुंबई
3. मुंबई-केंद्र-दिल्ली

- A. 120, 0, 45
- B. 120, 180, 45
- C. 135, 180, 45
- D. 45, 180, 135



Q28 General Intelligence and Reasoning HINDI - no English version saved

मान लीजिये दिये गये कथन सही हैं जबकि यह सामान्य ज्ञात तथ्यों से भिन्न प्रतीत हों और निर्णय कीजिए कि कौन सा निष्कर्ष कथन का पूरी तरह से अनुसरण करता है।

कथन:

एक लंबे और पेचीदा विवाद में शामिल होने के लिए, किसी को भी काफी बुद्धिमान होना चाहिए, क्योंकि वे बहुत बातूनी और बोरिंग होते हैं।

निष्कर्ष:

- I. सभी बुद्धिमान व्यक्ति बोरिंग होते हैं।
- II. सभी बुद्धिमान व्यक्ति लंबे और पेचीदा विवादों को संभालने में काफी सक्षम होते हैं।

- A. केवल निष्कर्ष I अनुसरण करता है।
- B. केवल निष्कर्ष II अनुसरण करता है।
- C. या तो निष्कर्ष I अथवा II अनुसरण करता है।
- D. निष्कर्ष I व II दोनों अनुसरण नहीं करते हैं।



Q29 General Intelligence and Reasoning

In a certain language, if BOXER is coded as CQAIW, which word will be coded as BEWSW?

A. ACTOR



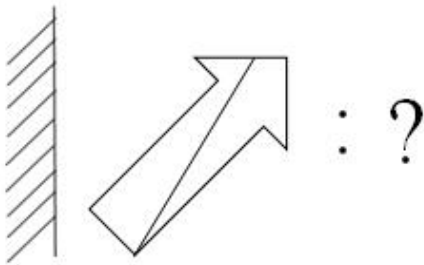
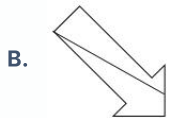
B. ADTOR

C. ACSOR

D. AFTOR

Q30 General Intelligence and Reasoning

Find the appropriate mirror image of the given figure if the mirror is placed to the left of the figure.



Q31 General Intelligence and Reasoning

Read the given statement and conclusions carefully and select which of the conclusions logically follow(s) from the statement.

Statement:

Some jaguars are cheetahs, Some cheetahs are leopards.

Conclusions:

1. No leopards is a jaguar.
2. Some jaguars are leopards.

A. Only conclusion 1 follows

B. Only conclusion 2 follows

C. Either 1 or 2 follows



D. Both 1 and 2 follows

Q32 General Intelligence and Reasoning

Consider the following statements and decide which of the conclusions logically follows from the statements.

Statements:

Freedom and discipline are very important for a good society.

Conclusions:

1. Society faces problems due to people without freedom and discipline.
2. No one in society has freedom and discipline.

A. Only conclusion 1 follows



B. Only conclusion 2 follows

C. Both conclusions 1 and 2 follow

D. Neither conclusion 1 nor 2 follows



Q33 General Intelligence and Reasoning HINDI - no English version saved

दिए गए कथन पर विचार करें और निर्णय लें, कि दी गई धारणाओं में से कौन सी कथन में अंतर्निहित है।

कथन :

इस कंटेनर में गैस है।

धारणाएं :

(I) कंटेनर में ऑक्सीजन है।

(II) कंटेनर में हीलियम है।

A. केवल I अंतर्निहित है।

B. केवल II अंतर्निहित हैं।

C. न तो I न ही II अंतर्निहित है।



D. I और II दोनों अंतर्निहित हैं।

Q34 General Intelligence and Reasoning HINDI - no English version saved

आपको कथन एवं उसका अनुसरण करने वाली धारणाओं पर विचार करते हुए यह निर्णय लेना है कि इनमें से कौन सी धारणा कथन में अंतर्निहित है/हैं।

कथन:

- मैं सैनिकों को पसंद करता हूँ।
- मैं सैनिक बनना चाहता हूँ।

धारणाएं:

I) मैं एक सैनिक नहीं हूँ।

II) मैं एक सैनिक हूँ।

A. केवल धारणा I अंतर्निहित है।



B. केवल धारणा II अंतर्निहित है।

C. या तो धारणा I या II अंतर्निहित है।

D. न तो धारणा I न ही II अंतर्निहित है।



Q35 General Intelligence and Reasoning HINDI - no English version saved

दिए गए कथन और निष्कर्षों को ध्यान से पढ़ें और यह चुनें, कि कौन सा कथन तर्कसंगत रूप से निष्कर्षों का पालन करता है।

कथन:

अपने दैनिक मजदूरी श्रमिकों से मालिक कहते हैं, "देर से काम करने वालों को दिन के लिए अपना काम पूरा करने के लिए अतिरिक्त समय नहीं दिया जाएगा।"

निष्कर्ष:

- I. दैनिक मजदूरी श्रमिकों को दिन के अंत तक आवंटित कार्य पूरा करने की उम्मीद है।
- II. देर से काम पर आने वाले हैं जिनको मालिक संबोधित कर रहे हैं।

A. केवल निष्कर्ष I पालन करता है।



B. केवल निष्कर्ष II पालन करता है।

C. कोई भी निष्कर्ष पालन नहीं करता है।

D. दोनों निष्कर्ष पालन करते हैं।

Q36 General Intelligence and Reasoning

4 W X Z 8 Q P O J 6 G T M V E U H 5 3 B

In the above series, the 5th term to the left of the 8th term from the right is:

A. O



B. 5

C. P

D. H

Q37 General Intelligence and Reasoning

Find the next term in the following series.

5E, 7G, 9I, 11K, _____

A. 14M

B. 13M



C. 13N

D. 14N



Q38 General Intelligence and Reasoning

Find the next number in the following series.

71, 63, 55, _____

A. 45

B. 46

C. 48

D. 47



Q39 General Intelligence and Reasoning

Find the next term in the series.

3X24C, 5V22E, _____.

A. 8T20G

B. 7T20G

C. 9T21G

D. 8T21G



Q40 General Intelligence and Reasoning

A cosmetic shop has different brands of cosmetics and accessories. 50% of the store's sales come from selling hair accessories. 40% comes from personal hygiene products. Every quarter, the store's sales on an average is ₹ 15, 00,000. What is the shop's approximate average monthly sales from personal hygiene products?

A. ₹ 2,00,000

B. ₹ 2,50,000

C. ₹ 5,00,000

D. ₹ 3,00,000



Q41 General Intelligence and Reasoning

Consider the following question and decide which of the statements is sufficient to answer the question.

Question:

Find the value of Z from the statements:

Statements:

- I. $A + Z = 19$
- II. $Z + P = 12$

- A. Only statement I is sufficient
- B. Only statement II is sufficient
- C. Either statement I or II is sufficient
- D. Neither I nor II is sufficient



Q42 General Intelligence and Reasoning

Select the correct option to complete the following series.

2, 5, 9, 19, ?

- A. 36
- B. 37
- C. 41
- D. 43



Q43 General Intelligence and Reasoning

Consider the following question and decide which of the statements is sufficient to answer the question.

Question:

Find the value of x,

Statements:

- 1. $\frac{1}{x} + \frac{1}{9} = \frac{1}{27}$
- 2. $a^2 + p^2 = q^2$

- A. Only 1 is sufficient
- B. Only 2 is sufficient
- C. Either 1 or 2 is sufficient
- D. Neither 1 nor 2 is sufficient



Q44 General Intelligence and Reasoning

Find the odd one out:

A	B	C	D
3C5F	6G10J	11K14N	15O18R

A. A

B. B
all candidates.

C. D

D. C

Dropped by RRB: discrepancy found in question/answer, ignored for all candidates (no answer key).

Q45 General Intelligence and Reasoning HINDI - no English version saved

उस विकल्प का चयन करें, जो तीसरे पद से उसी प्रकार संबंधित है, जैसे दूसरा पद पहले से संबंधित है।

Vacant: Empty :: Sedate : ?

A. Calm

B. Cat

C. Car

D. Defect

Q46 General Intelligence and Reasoning HINDI - no English version saved

नीचे दिए चार विकल्पों में से तीन किसी विशेष तरीके से संबंधित हैं। उस विकल्प का चयन करें जो दूसरों से भिन्न या बेमेल है।

A. सतलज

B. रावी

C. चिनाव

D. यमुना



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Q47 General Intelligence and Reasoning HINDI - no English version saved

एक सूर्यास्त के पहले रेलवे प्लेटफॉर्म क्रॉसिंग में सचिन और अंजली एक-दूसरे से आमने-सामने बात कर रहे थे। यदि अंजलि की छाया बिल्कुल सचिन के बाईं ओर थी, तो सचिन किस दिशा में मुंह करके खड़ा था?

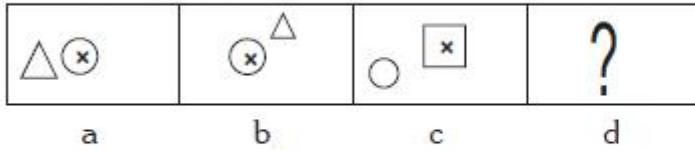
- A. पूर्व
- B. पश्चिम
- C. उत्तर
- D. दक्षिण



Q48 General Intelligence and Reasoning

Identify the answer figure that will replace the question mark in the given problem figure.

Problem figure:



Answer figures



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



Q49 General Intelligence and Reasoning

Rani and Radha were walking in opposite directions. If Radha was walking in North-East direction then in which direction was Rani walking?

- A. South-West
- B. South-East
- C. North-East
- D. North-West



Q50 General Intelligence and Reasoning

Read the following information carefully and answer the question given below:

Abinav and Barani play golf and volleyball.

Krish and Dev play tennis and cricket.

Barani and Krish play cricket and volleyball.

Abinav and Dev play golf and tennis.

One who plays tennis, volley ball and golf is _____.

- A. Dev
- B. Abinav
- C. Krish
- D. Barani



Q51 General Intelligence and Reasoning

Find the number of triangles in the following figure

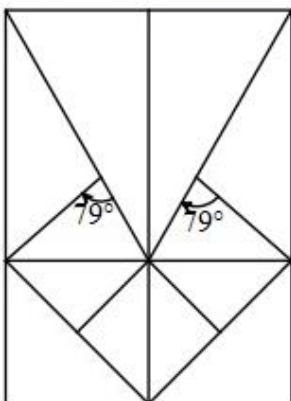


- A. 5
- B. 7
- C. 9
- D. 11



Q52 General Intelligence and Reasoning

How many right angled triangles are there in this figure?



- A. 5
- B. 8
- C. 12
- D. 4



Q53 General Intelligence and Reasoning

Starting from point O facing West a man walks 4 km to reach point A. He turns right, walks 4 km and reaches point B. He then turns right, walks 4 km and reaches point C. Then, he turns right, walks 3 km and reaches point D. He turns left, walks 4 km and reaches point E. Then, he turns right, walks 5 km and reaches point F. The shortest distance (in km) between point A and point E is:

A. $5\sqrt{65}$

B. $\sqrt{68}$

C. $\sqrt{65}$



D. $2\sqrt{65}$

Q54 General Intelligence and Reasoning

A is standing at the entrance of a mall waiting for his friend to come. He is facing East. He then turns his head to the right to see if his friend has come. From which direction is he expecting his friend to come?

A. South



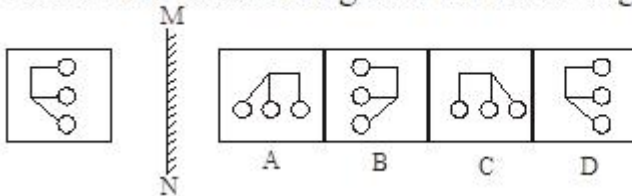
B. West

C. East

D. North

Q55 General Intelligence and Reasoning

Choose the mirror image for the following figure if mirror is at MN.



A. A

B. B



C. C

D. D



Q56 General Science HINDI - no English version saved

जब 100 N का एक बल 50 kg द्रव्यमान की एक वस्तु पर लगाया जाता है तो उत्पन्न होने वाले त्वरण की गणना कीजिए।

A. 0.2ms^{-2}

B. 0.2ms^2

C. 2ms^{-2}



D. 2ms^2

Q57 General Science HINDI - no English version saved

निम्न में से किस स्थान पर गुरुत्वीय त्वरण शून्य होता है?

A. भूमध्य रेखा पर

B. ध्रुवों पर

C. समुद्र स्तर पर

D. पृथ्वी के केंद्र पर



Q58 General Science

'g' (Acceleration due to gravity) = ?

A. GR^2/M

B. R^2M/G

C. G/MR^2

D. GM/R^2



Q59 General Science

The odometer of a car reads 3,000 km at the start of a trip and 3,400 at the end of the trip. If the trip took 8 hours, calculate the average speed of the car in ms^{-1} .

A. 12.9 ms

B. 14.9ms^{-1}

C. 13.9ms^{-1}



D. 15.9ms^{-1}



उस भौतिक मात्रा का नाम बताएँ, जो बल और वेग के गुणनफल के बराबर है।

- A. कार्य
- B. ऊर्जा
- C. शक्ति
- D. त्वरण



If a plane flies a distance of 4000 m with work done of 20000 J, then the force applied is:

- A. 50 N
- B. 0.2 N
- C. 5 N
- D. 10 N



2 kg का एक ब्लॉक, 4 m/s की गति से समानांतर सतह पर स्लाइड होता है। यह एक बिना दबे हुए स्प्रिंग पर गिरता है तथा उसे तब तक दबाता है जब तक वह ब्लॉक पूरी तरह गतिहीन न हो जाए। गतिज घर्षण की मात्रा 15N है तथा स्प्रिंग स्थिरांक 10,000 N/m है। स्प्रिंग _____ से दबता है।

- A. 8.5 m
- B. 8.5 cm
- C. 5.5 m
- D. 5.5 cm



What is the relation between frequency and time period?

- A. $T = 1 \times v$
- B. $T = 1/v$
- C. $T = v$
- D. $T = 1+v$



Q64 General Science

The relation between wave velocity ' v ', frequency ' f ', and wave length ' λ ' is _____.

A. $v = f/\lambda$

B. $v = f\lambda$ ✓

C. $v = \lambda/f$

D. $v = 1/f\lambda$

Q65 General Science HINDI - no English version saved

9Ω , 4Ω और 12Ω मान के तीन प्रतिरोध समांतर में जुड़े हैं। परिपथ का समतुल्य प्रतिरोध क्या होगा?

A. 1.9

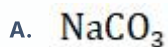
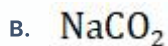
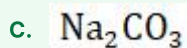
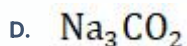
B. 2.2 ✓

C. 2.6

D. 0.8

Q66 General Science

The chemical formula of Sodium Carbonate is _____.



Q67 General Science

If the nucleus of an atom of an element contains 11 protons and 12 neutrons, then the mass number of the element is:

A. 35

B. 11

C. 12

D. 23 ✓



Q68 General Science

All samples of carbon dioxide contain carbon and oxygen in the mass ratio of 3 : 8. This is in agreement with the Law of _____.

- A. Conservation of Mass
- B. Constant Proportion
- C. Conservation of Energy
- D. Reciprocal proportion

Q69 General Science

What are the products formed when Ferrous Sulphate crystals are heated in a test tube?

- A. Ferric Oxide + Sulphur dioxide
- B. Ferric Oxide + water + Sulphur dioxide + Sulphur trioxide
- C. Ferric Oxide + Sulphur dioxide + water
- D. Ferric Oxide + water + Sulphur trioxide

Q70 General Science HINDI - no English version saved

pH स्केल किसी विलयन में हाइड्रोजन आयन सांद्रता को मापता है। इसमें p का क्या अर्थ है?

- A. Potential (पोटेंसियल), जिसका जर्मन में अर्थ आराम है।
- B. Potenz (पोटेंज़), जिसका जर्मन में अर्थ शक्ति (पावर) है।
- C. Power (शक्ति)
- D. Potency (पोटेंसी), जिसका जर्मन में अर्थ शक्ति है।

Q71 General Science

Gold is mixed with copper to:

- A. make gold hard.
- B. make gold soft.
- C. make gold more yellowish.
- D. give gold luster.



निम्न में से कौन सी धातु वायु के साथ अभिक्रिया नहीं करती?

A. रजत, प्लेटिनम

B. स्वर्ण, प्लेटिनम

C. पोटैशियम, निकल

D. स्वर्ण, रजत

हीलियम और आर्गन में क्या समानता है?

A. दोनों तत्व द्रव धातु हैं।

B. दोनों धातुओं का प्रयोग गुब्बारों में किया जाता है।

C. दोनों का बाह्यतम कोश पूर्णतः भरा होता है।

D. दोनों में उच्च विसरण दर होती है।

आधुनिक आवर्त सारणी के साथ किसका नाम जुड़ा हुआ है?

A. एम .जे .मोसले

B. मेंडलीव

C. न्यूलैंड

D. हुंड

Cells of the collenchyma tissue are thickened at the corners with _____.

A. lignin and cutin

B. suberin and cellulose

C. cellulose and pectin

D. pectin and chitin



Q76 General Science HINDI - no English version saved

_____ ऊतक की कोशिकाएँ अलग-अलग प्रकार के स्थायी ऊतक बनाने के लिए पृथक होती हैं।

- A. दृढ़ ऊतक
- B. मृदूतक
- C. विभज्योतक
- D. स्थूलकोण ऊतक

Q77 General Science HINDI - no English version saved

निम्न में से कौन जिम्नोस्पर्म है?

- A. आम
- B. चीड़
- C. काई (मॉस)
- D. फर्न

Q78 General Science

_____ propagates through stem.

- A. Bryophyllum
- B. Bryophyla
- C. Rose
- D. Tamarind

Q79 General Science HINDI - no English version saved

_____ फाइटोक्रोम का एक प्रशांत रूप है।

- A. P630
- B. P660
- C. P730
- D. P760



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Q80 General Awareness and Current Affairs

Which country will host the 2023 Rugby World Cup?

- A. Argentina
- B. Brazil
- C. England
- D. France



Q81 General Awareness and Current Affairs HINDI - no English version saved

निम्नलिखित में से कौन सा शब्द बास्केट बॉल से संबंधित है?

- A. फ्लेगरेट फ़ाउल
- B. पेनल्टी कॉर्नर
- C. अपर कट
- D. बाईसाइकिल किक



Q82 General Awareness and Current Affairs

Which country did NOT participate in the 2018 Champions Trophy Hockey?

- A. India
- B. Malaysia
- C. Pakistan
- D. Netherlands



Q83 General Awareness and Current Affairs

Who played the lead role in the movie "Hindi Medium" released in 2017?

- A. Irfan Khan
- B. Nawazuddin Siddiqui
- C. Raj Kumar Rao
- D. Akshay Kumar



Q84 General Awareness and Current Affairs

Who said, "The present changes the past; looking back you do not find what you left behind"?

- A. Kiran Desai
- B. RK Narayan
- C. Vikram Seth
- D. Khushwant Singh

Q85 General Awareness and Current Affairs

George Saunders, an American author, won the 2017 Man Booker Prize for Fiction for his novel _____.

- A. Lincoln The Lone Walk
- B. Lincoln in the Bardo
- C. Speeches and Writing
- D. Lincoln Letters

Q86 General Awareness and Current Affairs

Rajdeep Sardesai is known for his role as which of the following?

- A. Actor
- B. Doctor
- C. Journalist
- D. Politician

Q87 General Awareness and Current Affairs HINDI - no English version saved

अभय बैंग और रानी बैंग महाराष्ट्र के _____ जिले में स्वास्थ्य देखभाल क्षेत्र में क्रांतिकारी बदलाव के लिए जाने जाते हैं।

- A. गोंदिया
- B. नांदेड़
- C. लातूर
- D. गडचिरोली



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किस प्रसिद्ध वैज्ञानिक को 2018 में तीन साल के लिए अंतरिक्ष एजेंसी के अध्यक्ष (ISRO) के रूप में नियुक्त किया गया है?

- A. राकेश शर्मा
- B. डॉ. के. सिवान ☒
- C. ए. एस. किरण कुमार
- D. डॉ. ए. पी. जे. अब्दुल कलाम

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भारत के नियंत्रक और महालेखा परीक्षक किसके द्वारा नियुक्त किया जाता है?

- A. प्रधान मंत्री
- B. मुख्यमंत्री
- C. राष्ट्रपति ☒
- D. उपराष्ट्रपति

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भारतीय संविधान की कौन-सी अनुसूची अनुसूचित भाषाओं के बारे में है?

- A. I
- B. V
- C. VII
- D. VIII ☒

Q91 General Awareness and Current Affairs

Sangai deer recently seen in the news is the state animal of which state?

- A. Gujarat
- B. Jammu & Kashmir
- C. Tamilnadu
- D. Manipur ☒



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Q92 General Awareness and Current Affairs

How many districts does Uttar Pradesh have?

A. 75



B. 77

C. 79

D. 73

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मोती मस्जिद या पर्ले मस्जिद _____ किले की सबसे सुंदर संरचना है।

A. आमेर

B. गोलकुंडा

C. लाल



D. आगरा

Q94 General Awareness and Current Affairs

In the year 1778, the British established the first printing press at _____.

A. Calcutta



B. Bombay

C. Ahmedabad

D. Madras

Q95 General Awareness and Current Affairs

The Narmada and Tapi are _____ flowing rivers.

A. west



B. east

C. south

D. north



अनंतनाग _____ में एक शहर है।

- A. उत्तराखंड
- B. हिमाचल प्रदेश
- C. जम्मू-कश्मीर
- D. सिक्किम

Who was appointed as the chairman of DRDO in August 2018?

- A. Dr. G Satheesh Reddy
- B. Sathish Dhavan
- C. Malathi Varma
- D. K Sivan

Mayurbhanj mines are known for which of the following metals?

- A. Iron-ore
- B. Copper
- C. Aluminum
- D. Bauxite

In 2018, the Ministry of Drinking Water and Sanitation launched the second project of Swajal Yojana in the village:

- A. Bhikampura, Karauli, Haryana
- B. Bhikampura, Karauli, Rajasthan
- C. Bhikampura, Karauli, Himachal Pradesh
- D. Bhikampura, Karauli, Gujarat

