Studybox Doon

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Name:

Date:

Exam Instructions

1. The timer has been set for the exam, and a countdown will display the remaining time. When the timer runs out, the exam will end automatically. No further action will be required after that.
2. You can flag any question that you want.
3. If you don't want to submit any of your provided answers, you can clear them.
4. If you choose to drop this exam, it will not be submitted, and no result will be generated.
5. Once you finish the exam, you cannot resume it.

Question: 1 of 150 QID: 3008 Marks: 2

What comes next in the series:
7, 14, 42, 168, ?

Please mark (✓) for the correct answer.

○ **A.** 1008 ○ **B.** 840

○ **C.** 504 ○ **D.** 672

Question: 2 of 150 QID: 3009 Marks: 2

Michael is 14th from the left end in a row of 40 boys. What is his position (rank) from the right end?

Please mark (✓) for the correct answer.

○ **A.** 21st ○ **B.** 24th

○ **C.** 25th ○ **D.** 27th

Question: 3 of 150 QID: 3010 Marks: 2

P is the brother of Q and R. S is R's mother. T is P's father. Which of the following statements cannot be definitely true?

Please mark (✓) for the correct answer.

○ **A.** T is Q's father ○ **B.** S is P's mother

○ **C.** P is S's son ○ **D.** Q is T's son

Choose the correct option in place of question mark (?) to complete the given series:
21, 25, 33, 49, 81, ?

Please mark (✓) for the correct answer.

A. 145

B. 132

C. 113

D. 101

'Tiger' is related to 'Cub' in the same way as 'Elephant' is related to _____.

Please mark (✓) for the correct answer.

A. Chick

B. Hatchling

C. Joey

D. Calf

If in the year 2012, January 1st is Sunday, then which day is the Indian Republic Day in the year 2012?

Please mark (✓) for the correct answer.

A. Saturday

B. Monday

C. Thursday

D. Friday

What is the angle between the hour hand and the minute hand when it is 5:10 PM?

Please mark (✓) for the correct answer.

A. 150 degrees

B. 120 degrees

C. 115 degrees

D. 95 degrees

From his house, Ramesh goes 15 km to North. Then he turns West and covers 20 km. Then he turns South and covers 5 km. Finally, he turns East and covers 30 km. Looking from his house, in which direction is he standing?

Please mark (✓) for the correct answer.

A. North-west

B. North-east

C. South-east

D. South-west

In a list, if Shikha is 15th from the upper end and 17th from the lower end, then find the total number of people in the list.

Please mark (✓) for the correct answer.

○ **A.** 41

○ **B.** 33

○ **C.** 31

○ **D.** 32

Find the fourth proportional of 4, 5 and 16.

Please mark (✓) for the correct answer.

○ **A.** 25

○ **B.** 16

○ **C.** 30

○ **D.** 20

'Pitch' is related to 'Cricket' in the same way as 'Arena' is related to

Please mark (✓) for the correct answer.

○ **A.** Tennis

○ **B.** Gymnastics

○ **C.** Badminton

○ **D.** Wrestling

The time in the clock is quarter past twelve. If the hour hand points to the East, which is the direction opposite to the minute hand?

Please mark (✓) for the correct answer.

○ **A.** South-west

○ **B.** South

○ **C.** West

○ **D.** North

Five boys A, B, C, D and E are sitting in a row. A is to the right of B and E is to the left of B but to the right of C. A is to the left of D. Who is second from the left end?

Please mark (✓) for the correct answer.

○ **A.** B

○ **B.** E

○ **C.** A

○ **D.** C

A word has been given, followed by four other words, one of which can be formed by using the letters from the given word: PREPARATION. Find the word.

Please mark (✓) for the correct answer.

- A.   PAMPER
- B.   REPEAT
- C.   PARTITION
- D.   PARROT

Find the odd one that does not belong to the group.

Please mark (✓) for the correct answer.

- A.   KQNN
- B.   DWFU
- C.   EVHS
- D.   HSKP

Five friends are standing in a row. Amar is taller than Sameer. Prabhat is taller than Umesh but not as tall as Sameer. Ashok is shorter than Umesh. Who among them is the shortest?

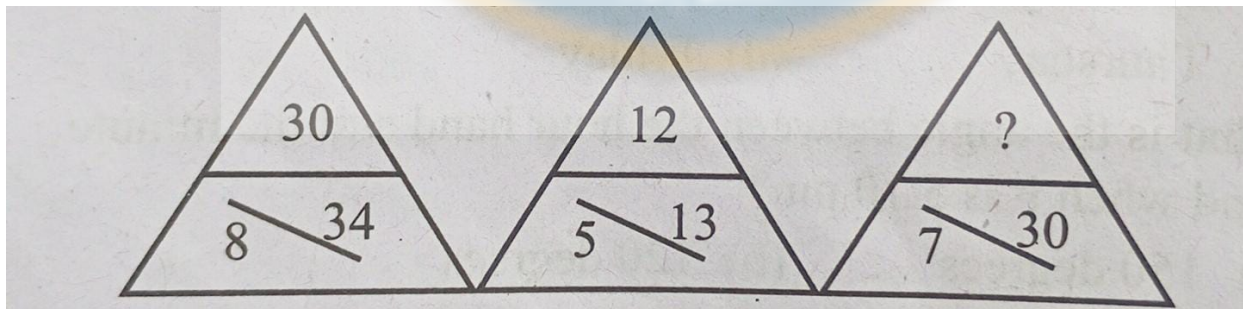Please mark (✓) for the correct answer.

- A.   Ashok
- B.   Umesh
- C.   Sameer
- D.   Amar

Insert the missing number:

Please mark (✓) for the correct answer.

- A.   11
- B.   27
- C.   18
- D.   22

Choose the alternative that best represents a relationship similar to the one expressed in the original pair:
F : 216 :: L : ?

Please mark (✓) for the correct answer.

A. 1728

B. 1700

C. 1600

D. 1723

In a certain code, 'TERMINAL' is written as 'NSFUMBOJ' and 'TOWERS' is written as 'XPUTSF'. How is 'MATE' written in the same code?

Please mark (✓) for the correct answer.

A. FUBN

B. UFNB

C. BNFU

D. BNDS

Arrange the following words as per order in the dictionary:
1. Quilt
2. Quite
3. Queen
4. Queue

Please mark (✓) for the correct answer.

A. 1, 4, 2, 3

B. 4, 3, 1, 2

C. 2, 3, 4, 1

D. 3, 4, 1, 2

Choose the letter group that represents a relationship similar to the one expressed in the original pair of letter groups.
UNDERSTAND : DASENNTRDU :: RETIREMENT : ?

Please mark (✓) for the correct answer.

A. TEEIENMRTR

B. TNEMETRIR

C. EMENRTETR

D. ERITEREMTN

Complete the series:
3, 10, 101, ?

Please mark (✓) for the correct answer.

A. 10101

B. 10201

C. 10202

D. 11012

Select the related word from the given alternatives.
Hirakud : Mahanadi :: Tehri Dam : ?

Please mark (✓) for the correct answer.

A. Damodar   B. Bhagirathi

C. Yamuna   D. Sone

In the following question, select the missing number from the given series:

25	144	60
81	225	135
49	289	?

Please mark (✓) for the correct answer.

A. 119   B. 120

C. 170   D. 190

Fill with a suitable word.
Quarantined : Separated :: Radical : ?

Please mark (✓) for the correct answer.

A. Unfriendly   B. Bad

C. Fundamental   D. Dreary

A cube of side 5 cm is painted on all its faces. If it is sliced into 1 cm³ cubes, how many 1cm³ cubes will have exactly one of their faces painted?

Please mark (✓) for the correct answer.

A. 27   B. 42

C. 54   D. 142

A circle of maximum possible size is cut from a square sheet of board. Subsequently, a square of maximum possible size is cut from the resultant circle. What will be the area of the final square?

Please mark (✓) for the correct answer.

A.   3/4 of original square

B.   1/2 of original square

C.   1/4 of original square

D.   2/3 of original square

The surface area of the three coterminus faces of a cuboid are 6, 15 and 10 cm² respectively. The volume of the cuboid is

Please mark (✓) for the correct answer.

A.   30 cm³

B.   40 cm³

C.   20 cm³

D.   35 cm³

A point which lies on both the axes is

Please mark (✓) for the correct answer.

A.   (1, 1)

B.   (0, 1)

C.   (0, 1)

D.   (0,0)

If 5A + 25 is equal to B2 (a two digits number), then the value of A + B is

Please mark (✓) for the correct answer.

A.   15

B.   10

C.   8

D.   7

Between two given rational numbers, we can find

Please mark (✓) for the correct answer.

A.   one and only one rational number

B.   only two rational numbers

C.   only ten rational numbers

D.   infinitely many rational numbers

A dice is thrown two times and sum of the numbers appearing on the dice are noted. The number of possible outcomes is

Please mark (✓) for the correct answer.

A. 6

B. 11

C. 18

D. 36

In a pie chart, the total angle at the centre of the circle is

Please mark (✓) for the correct answer.

A. 180°

B. 270°

C. 360°

D. 90°

Listed below is the temperature in °C for 10 days. What is the range of the data?
-6, -8, 0, 3, 2, 0, 1, 5, 4, 4

Please mark (✓) for the correct answer.

A. 8°C

B. 13°C

C. 10°C

D. 12°C

Monthly salary of a person is `15000. The central angle of the sector representing his expenses on food and house rent on a pie chart is 60°. The amount he spends on food and house rent is

Please mark (✓) for the correct answer.

A. ₹2500

B. ₹5000

C. ₹6000

D. ₹9000

Which of the following is not a perfect square?

Please mark (✓) for the correct answer.

A. 361

B. 1156

C. 1128

D. 1681

A perfect square number having n digits where n is even will have square root with

Please mark (✓) for the correct answer.

A.　n + 1 digit

B.　n/2 digit

C.　n/3 digit

D.　(n+1)/2 digit

The digit in the tens place of a two digit number is 3 more than the digit in the units place. Let the digit at units place be b. Then, the number is

Please mark (✓) for the correct answer.

A.　11b+30

B.　10b + 30

C.　11b+3

D.　10b + 3

Aruna's present age is thrice of Shilpa. If Shilpa's age three years ago was x. Then, Aruna's present age is

Please mark (✓) for the correct answer.

A.　3(x-3)

B.　3x + 3

C.　3x-9

D.　3(x + 3)

If two adjacent angles of a parallelogram are $(5x - 5)°$ and $(10x + 35)°$, then the ratio of these angles is

Please mark (✓) for the correct answer.

A.　1:3

B.　2:3

C.　1:4

D.　1:2

Length of one of the diagonals of a rectangle whose sides are 10 cm and 24 cm is

Please mark (✓) for the correct answer.

A.　25 cm

B.　20 cm

C.　26 cm

D.　3.5 cm

Sum of a - b + ab, b + c - bc and c - a - ac is

Please mark (✓) for the correct answer.

○ **A.** 2c + ab - ac - bc

○ **B.** 2c - ab - ac - bc

○ **C.** 2c + ab + ac + bc

○ **D.** 2c - ab + ac + bc

On dividing $p(4p^2 - 16)$ by $4p(p - 2)$, we get

Please mark (✓) for the correct answer.

○ **A.** 2p + 4

○ **B.** 2p - 4

○ **C.** p + 2

○ **D.** p - 2

The value of $(7^{-1} - 8^{-1})^{-1} - (3^{-1} - 4^{-1})^{-1}$ is

Please mark (✓) for the correct answer.

○ **A.** 44

○ **B.** 56

○ **C.** 68

○ **D.** 12

If the cost price of 10 shirts is equal to the selling price of 8 shirts, then which of the following is true for the transaction?

Please mark (✓) for the correct answer.

○ **A.** Profit of 25%

○ **B.** Loss of 25%

○ **C.** Profit of 20%

○ **D.** Loss of 20%

To gain 25% after allowing a discount of 10%, the shopkeeper must mark the price of the article which costs him ₹ 360 as

Please mark (✓) for the correct answer.

○ **A.** ₹ 500

○ **B.** ₹ 450

○ **C.** ₹ 460

○ **D.** ₹ 486

Question: 47 of 150

Marks: 4

The mean of five numbers is 30. If one number is excluded, their mean becomes 28. The excluded number is

Please mark (✓) for the correct answer.

- ○ **A.** 28
- ○ **B.** 30
- ○ **C.** 35
- ○ **D.** 38

Question: 48 of 150

Marks: 4

Radhika bought a car for ₹ 250000. Next year its price decreased by 10% and further next year it decreased by 12%. In the two years overall decrease per cent in the price of the car is

Please mark (✓) for the correct answer.

- ○ **A.** 3.2%
- ○ **B.** 22%
- ○ **C.** 20.8%
- ○ **D.** 8%

Question: 49 of 150

Marks: 4

If two quantities x and y vary directly with each other, then

Please mark (✓) for the correct answer.

- ○ **A.** x / y remains constant
- ○ **B.** x - y remains constant
- ○ **C.** x + y remains constant
- ○ **D.** x * y remains constant

Question: 50 of 150

Marks: 4

One of the factors of $(25x^2 - 1) + (1 + 5x)^2$ is

Please mark (✓) for the correct answer.

- ○ **A.** 5 + x
- ○ **B.** 5 - x
- ○ **C.** 5x - 1
- ○ **D.** 5x + 1

Question: 51 of 150

Marks: 4

The factorisation of $4x^2 + 8x + 3$ is

Please mark (✓) for the correct answer.

- ○ **A.** (x + 1) (x + 3)
- ○ **B.** (2x + 1) (2x + 3)
- ○ **C.** (2x + 2) (2x + 5)
- ○ **D.** (2x - 1) (2x - 3)

Which of the following is a factor of $(x + y)^3 - (x^3 + y^3)$?

Please mark (✓) for the correct answer.

A. $x^2 + y^2 + 2xy$

B. $x^2 + y^2 - xy$

C. xy^2

D. $3xy$

Which of the following cannot be the empirical probability of an event?

Please mark (✓) for the correct answer.

A. 2/3

B. 3/2

C. 0

D. 1

In a sample study of 640 people, it was found that 512 people have a school certificate. If a person is selected at random, the probability that the person a high school certificate is

Please mark (✓) for the correct answer.

A. 0.5

B. 0.6

C. 0.7

D. 0.8

The range of the data 25, 81, 20, 22, 16, 6, 17, 15, 12, 30, 32, 10, 91, 8, 11, 20 is

Please mark (✓) for the correct answer.

A. 10

B. 75

C. 85

D. 26

In a frequency distribution, the mid value of a class is 10 and the width of class is 6. The upper limit of the class is

Please mark (✓) for the correct answer.

A. 6

B. 7

C. 10

D. 13

Let m be the mid-point and I be the lower class limit of a class in a continuous frequency distribution. The upper class limit of the class is

Please mark (✓) for the correct answer.

A. 2m + 1

B. 2m-I

C. m - 1

D. m - 2I

If the perimeter of one of the faces of a cube is 40 cm, then its volume is

Please mark (✓) for the correct answer.

A. 6000 cm³

B. 1600 cm³

C. 1000 cm³

D. 600 cm³

In a cylinder, radius is doubled and height is halved, curved surface area will be

Please mark (✓) for the correct answer.

A. halved

B. doubled

C. same

D. four time

The length of the longest pole that can be put in a room of dimension (10 m x 10 m x 5 m) is

Please mark (✓) for the correct answer.

A. 15 m

B. 16 m

C. 10 m

D. 12 m

The radii of two cylinders are in the ratio of 2 : 3 and their heights are in the ratio of 5 : 3. The ratio of their volumes is

Please mark (✓) for the correct answer.

A. 10 : 17

B. 20 : 27

C. 17 : 27

D. 20 : 37

The perimeter of an equilateral triangle is 60 m. The area is

Please mark (✓) for the correct answer.

- A. $10\sqrt{3}$ m²
- B. $15\sqrt{3}$ m²
- C. $20\sqrt{3}$ m²
- D. $100\sqrt{3}$ m²

The sides of a triangle are 56 cm, 60 cm and 52 cm long. Then, the area of the triangle is

Please mark (✓) for the correct answer.

- A. 1322 cm²
- B. 1311 cm²
- C. 1344 cm²
- D. 1392 cm²

An equilateral triangle of side 9 cm is inscribed a circle. The radius of the circle is

Please mark (✓) for the correct answer.

- A. 3 cm
- B. $3\sqrt{2}$ cm
- C. $3\sqrt{3}$ cm
- D. 6 cm

In the given figure, BOC is a diameter of a circle and AB = AC. Then, $\angle ABC =$
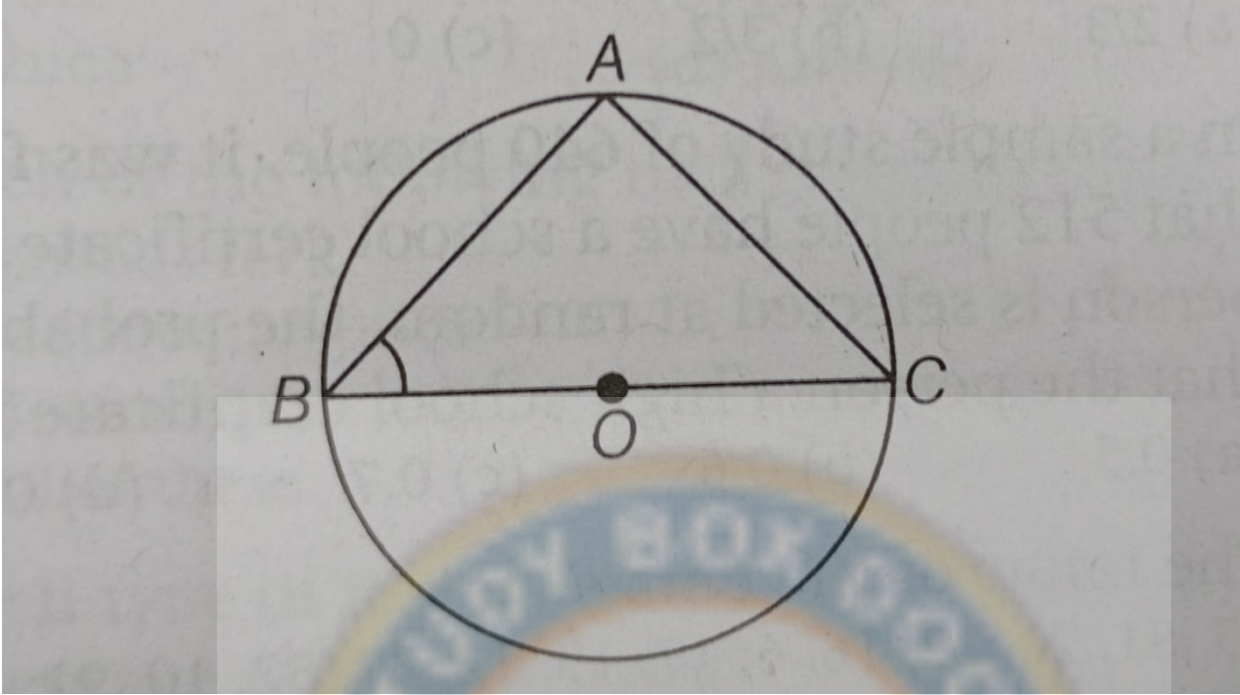
Please mark (✓) for the correct answer.

A. 30°   B. 45°

C. 60°   D. 90°

In the given figure, O is the centre of a circle. If ∠OAB = 40° and C is a point on the circle, then ∠ACB =
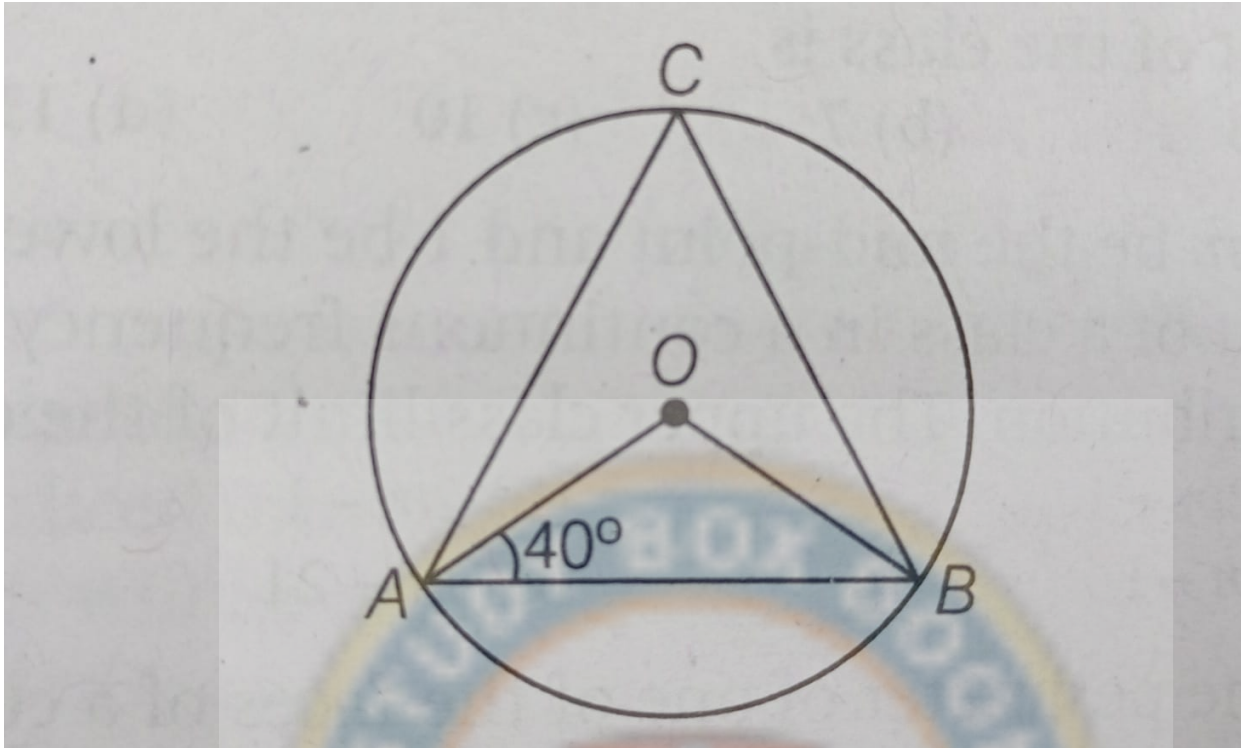
Please mark (✓) for the correct answer.

A. 40°

B. 50°

C. 80°

D. 100°

If a triangle and a parallelogram are on the same base and between same parallels, then the ratio of the area of the triangle to the area of parallelogram is

Please mark (✓) for the correct answer.

A. 1 : 3

B. 1 : 2

C. 3 : 1

D. 1 : 4

PQRS is a parallelogram and A and B are any points on PQ and QP, if area (PQRS) = 48 cm², then area (PBS) + area (ASR) is equal to
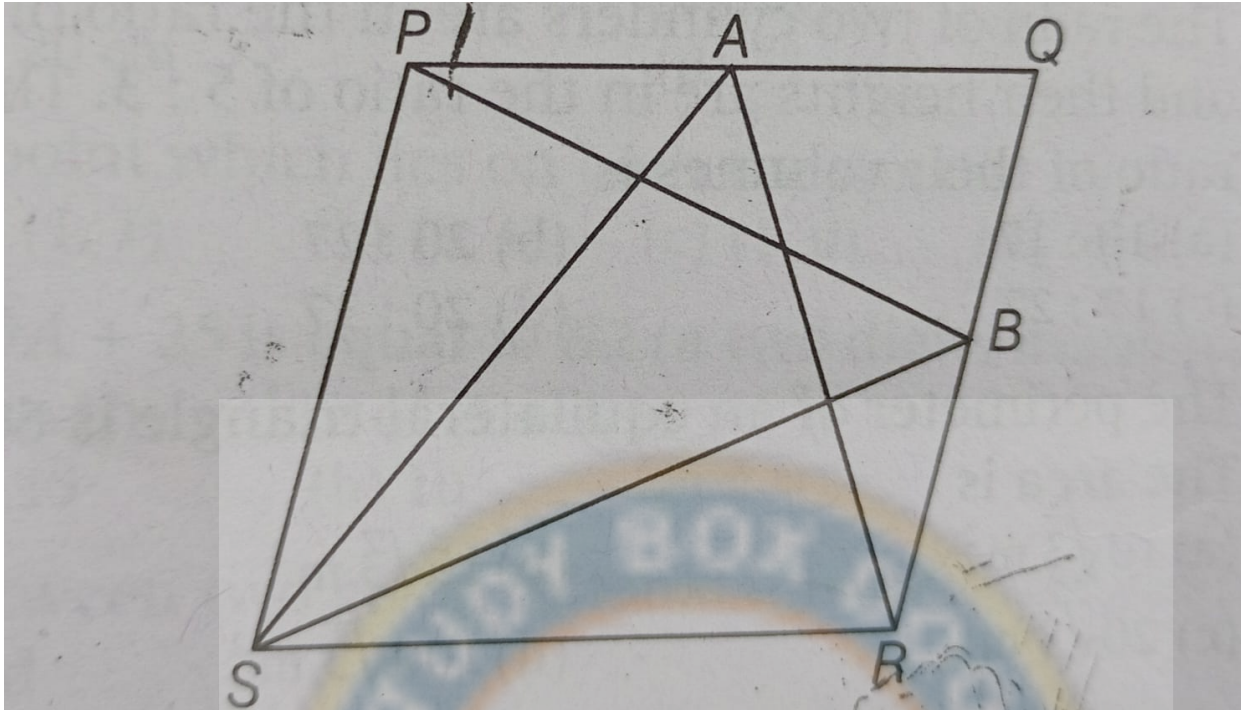
Please mark (✓) for the correct answer.

- A. 96 cm²
- B. 36 cm²
- C. 48 cm²
- D. 24 cm²

Three angles of a quadrilateral are 75°, 90° and 75°, the fourth angle is

Please mark (✓) for the correct answer.

- A. 90°
- B. 95°
- C. 105°
- D. 120°

ABCD is a rhombus such that ∠ACB = 40°, then ∠ADB is

Please mark (✓) for the correct answer.

- A. 40°
- B. 45°
- C. 50°
- D. 60°

The diagonals AC and BD of parallelogram ABCD intersect each other at the point O. If ∠DAC = 32° and ∠AOB = 70°, then ∠DBC is equal to

Please mark (✓) for the correct answer.

- A.   24°
- B.   86°
- C.   38°
- D.   32°

ABCD is a rhombus such that ∠ABC = 40°, then ∠ADC is equal to

Please mark (✓) for the correct answer.

- A.   40°
- B.   45°
- C.   50°
- D.   20°

In figure, the value of x is
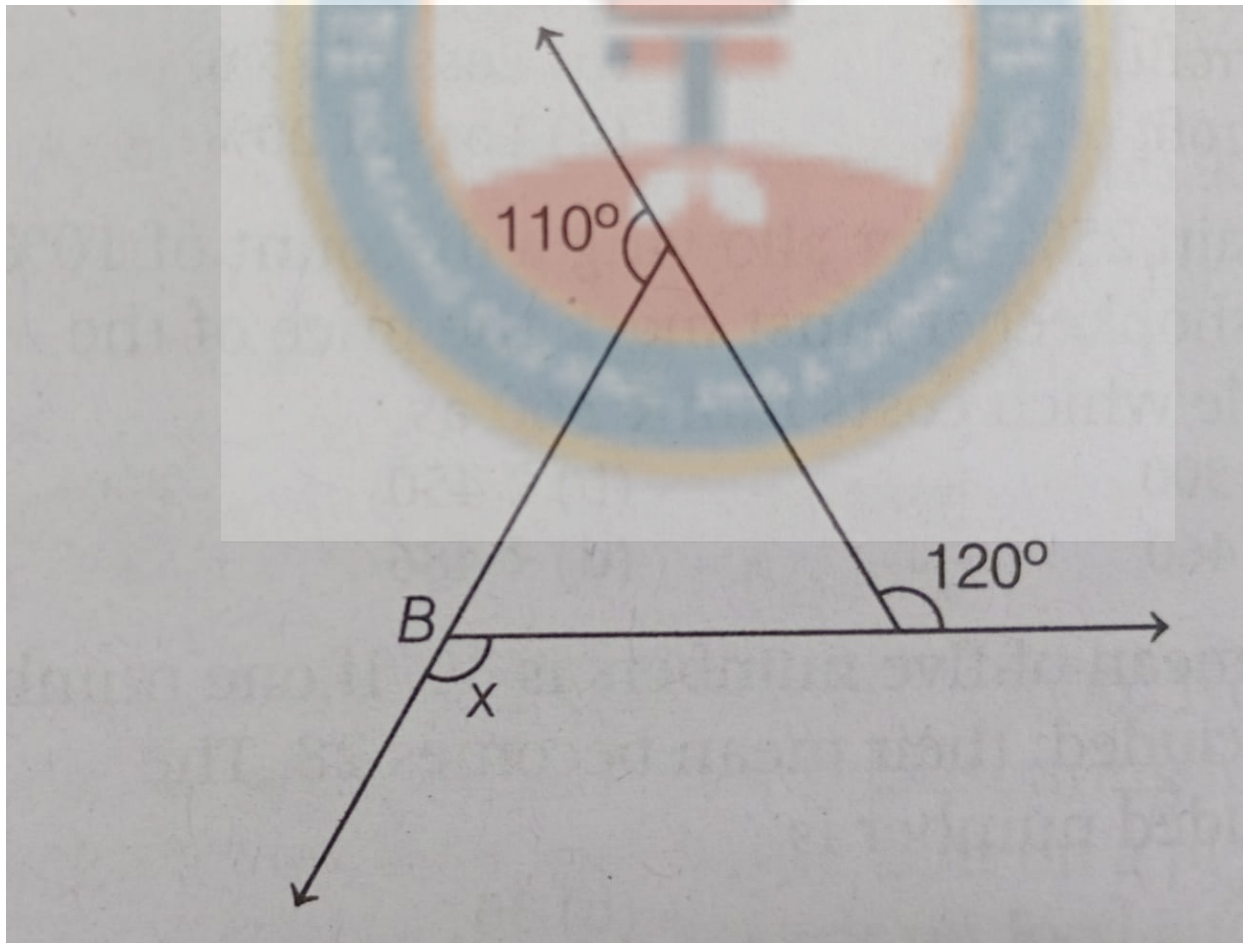
Please mark (✓) for the correct answer.

- A.   120°
- B.   130°
- C.   110°
- D.   100°

If the point P lies in between M and N and C is mid-point of MP, then

Please mark (✓) for the correct answer.

- ○ **A.** MC + PN = MN
- ○ **B.** MP + CP = MN
- ○ **C.** MC + CN = MN
- ○ **D.** CP + CN = MN

Cost of book (x) exceeds twice the cost of pen (y) by ₹10. This statement can be expressed as linear equation

Please mark (✓) for the correct answer.

- ○ **A.** x - 2y - 10 = 0
- ○ **B.** 2x - y - 10 = 0
- ○ **C.** 2x + y - 10 = 0
- ○ **D.** x - 2y + 10 = 0

My father gave it to the mechanic. This is same as

Please mark (✓) for the correct answer.

- ○ **A.** It was given to the mechanic
- ○ **B.** It has been given to the mechanic
- ○ **C.** The mechanic has taken it away
- ○ **D.** The mechanic got it

It had been thrown there. This is same as

Please mark (✓) for the correct answer.

- ○ **A.** It was thrown away
- ○ **B.** Someone had thrown it there
- ○ **C.** Someone threw it there
- ○ **D.** It is thrown there

Patient to doctor: Good morning, Doctor! Can you give me a few minutes?
A man went to his doctor's clinic and asked the doctor

Please mark (✓) for the correct answer.

- ○ **A.** Can you give me a few minutes?
- ○ **B.** Whether I can have a few minutes of his time.
- ○ **C.** Whether he can give him a few minutes.
- ○ **D.** Whether he could give him a few minutes.

Patient to doctor: "I have got a severe headache". The patient told the doctor that

Please mark (✓) for the correct answer.

○ **A.** He has got a severe headache

○ **B.** He got a severe headache

○ **C.** I have got a severe headache

○ **D.** Whether he had got a severe headache

Directions (Q. Nos. 91-95)
A sentence has been given in Active voice. Choose the correct option which expresses the same sense in Passive Voice.

They have invited the parents as well as the child.

Please mark (✓) for the correct answer.

○ **A.** The parents as well as the child has been invited.

○ **B.** The child as well as the parents has been invited.

○ **C.** The parents as well as the child have been invited.

○ **D.** The parents as well as the child had been invited by them.

Mrs. Sharma knows me.

Please mark (✓) for the correct answer.

○ **A.** I am known by Mrs. Sharma.

○ **B.** I was known by Mrs. Sharma.

○ **C.** I am known to Mrs. Sharma

○ **D.** I have known to Mrs. Sharma.

The manager keeps the work pending.

Please mark (✓) for the correct answer.

○ **A.** The work are being kept pending by the manager.

○ **B.** The work was kept pending by the manager.

○ **C.** The work has been kept pending by the manager.

○ **D.** The work is kept pending by the manager.

The masons are building the house.

Please mark (✓) for the correct answer.

○ **A.** The house is being built by the masons.

○ **B.** The house is building the masons.

○ **C.** The house was being built by the masons.

○ **D.** The house has been built by the masons.

Does she want a book?

Please mark (✓) for the correct answer.

○ **A.** Is the book wanted by her?   ○ **B.** Is she wanting a book?

○ **C.** Is a book wanted by her?   ○ **D.** Does she wants the book?

Directions (Q.Nos. 76-80) Read the passage given below and fill the correct option.

Caged behind thick glass, the most famous dancer in the world can easily be missed in the National Museum, Delhi. The Dancing Girl of Mohenjo-Daro is that rare artefact that even school children are familiar with. Our school textbooks also communicate a wealth of our 5000 years heritage of art. You have to be alert to her existence there, amid terracotta animals to rediscover this bronze image.

Most of us have seen her only in photographs or sketches, therefore the impact of actually beholding her is magnified a million times over. One discovers that the dancing girl has no feet. She is small, a little over 10 cm tall, the length of a human palm, but she surprises us with the power of great art, the ability to communicate across centuries.

A series of bangles of shell or ivory or thin metal clothes her left upper arm all the way down to her fingers. A necklace with three pendants bunched together and a few bangles above the elbow and wrist on the right-hand display almost modern art.

She speaks of the undaunted, even hopeful human spirit. She reminds us that it is important to visit museums in our country to experience the impact that a work of art leaves on our senses, to find among all the riches one particular vision of beauty that speaks to us alone.

In the museum she's kept among

Please mark (✓) for the correct answer.

○ **A.** dancing figures   ○ **B.** bronze statues

○ **C.** terracotta animals   ○ **D.** books

Which information is not given in the passage?

Please mark (✓) for the correct answer.

○ **A.** The girl is caged behind glass   ○ **B.** She is a rare artefact

○ **C.** School books communicate the wealth of heritage   ○ **D.** She cannot be rediscovered as she's bronze

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'Great Art' has power because

Please mark (✓) for the correct answer.

○ **A.** it appeals to us despite a passage of time   ○ **B.** it is small and can be understood

○ **C.** it is seen in pictures and sketches   ○ **D.** it's magnified a million times

She reminds us

Please mark (✓) for the correct answer.

- **A.** of the never-say-die attitude of humans
- **B.** why museums in our country are exciting
- **C.** why she will make us come into money
- **D.** of dancing figures

The size of the dancing girl is equal to the length of human

Please mark (✓) for the correct answer.

- **A.** body
- **B.** hand
- **C.** ear
- **D.** palm

Find the correctly spelt word.

Please mark (✓) for the correct answer.

- **A.** inconvieninced
- **B.** inconvenienced
- **C.** inconveninecnd
- **D.** inconvinienced

Find the correctly spelt word.

Please mark (✓) for the correct answer.

- **A.** Scaristy
- **B.** Scarety
- **C.** Scarecity
- **D.** Scarcity

Find the correctly spelt word.

Please mark (✓) for the correct answer.

- **A.** receeve
- **B.** receive
- **C.** resieve
- **D.** recive

Find the correctly spelt word.

Please mark (✓) for the correct answer.

⊙ **A.** Stoecaly   ⊙ **B.** Stoically

⊙ **C.** Stoicaly   ⊙ **D.** Stoeacly

Find the correctly spelt word.

Please mark (✓) for the correct answer.

⊙ **A.** Versatile   ⊙ **B.** Verstile

⊙ **C.** Vorstyle   ⊙ **D.** Varstile

Directions (Q. Nos. 86-90)
In the following questions, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Direct/Indirect speech.

Someone has stolen my bicycle. This is same as

Please mark (✓) for the correct answer.

⊙ **A.** Someone stole my bicycle   ⊙ **B.** My bicycle has been stolen

⊙ **C.** I have given away my bicycle   ⊙ **D.** A thief has stolen my bicycle

---

Directions (Q. Nos. 96-100)
In the following questions, choose the word which best expresses the meaning of the given word.

Trite

Please mark (✓) for the correct answer.

⊙ **A.** Illogical   ⊙ **B.** Hackneyed

⊙ **C.** Bitter   ⊙ **D.** Sharp

Hazel

Please mark (✓) for the correct answer.

○ **A.** Blue

○ **B.** Greenish-blue

○ **C.** Reddish-brown

○ **D.** Green

Craven

Please mark (✓) for the correct answer.

○ **A.** Silly

○ **B.** Cowardly

○ **C.** Indecent

○ **D.** Mean

Dexterity

Please mark (✓) for the correct answer.

○ **A.** Cooperation

○ **B.** Courtesy

○ **C.** Punctuality

○ **D.** Skill

Intrepid

Please mark (✓) for the correct answer.

○ **A.** Bold

○ **B.** Timid

○ **C.** Unadventurous

○ **D.** Unimaginative

Name the Governor General who banned the Sati system in India.

Please mark (✓) for the correct answer.

○ **A.** Lord Cornwallis

○ **B.** Lord Dalhousie

○ **C.** Lord William Bentinck

○ **D.** None of these

Who was the first woman President of Indian National Congress?

Please mark (✓) for the correct answer.

○ **A.** Annie Besant
○ **B.** Sarojini Naidu
○ **C.** Nellie Sengupta
○ **D.** None of these

Name the place from which the Quit India Movement was launched by Mahatma Gandhi.

Please mark (✓) for the correct answer.

○ **A.** Lucknow
○ **B.** Bombay
○ **C.** Delhi
○ **D.** Calcutta

Where did the formation of Azad Hind Fauj take place?

Please mark (✓) for the correct answer.

○ **A.** Thailand
○ **B.** Singapore
○ **C.** Russia
○ **D.** Germany

Who said "Every blow on my body will prove a nail in the coffin of the British Empire"?

Please mark (✓) for the correct answer.

○ **A.** Lala Lajpat Rai
○ **B.** Bipin Chandra Pal
○ **C.** Chandra Shekhar Azad
○ **D.** Bal Gangadhar Tilak

Mahatma Gandhi launched the Kheda Satyagraha in Gujarat in 1948 to support the cause of?

Please mark (✓) for the correct answer.

○ **A.** Mill Owners
○ **B.** Land Lords
○ **C.** The Peasants
○ **D.** Kol Rebellions

Who among the following was the court poet of Harsha?

Please mark (✓) for the correct answer.

○ **A.** Kalidas

○ **B.** Banabhatta

○ **C.** Jayasi

○ **D.** Kalhan

The battle of Buxar was fought in

Please mark (✓) for the correct answer.

○ **A.** 1526

○ **B.** 1576

○ **C.** 1764

○ **D.** 1757

Who gave the slogan 'Back to Vedas'?

Please mark (✓) for the correct answer.

○ **A.** Swami Vivekananda

○ **B.** Swami Sampoornanda

○ **C.** Swami Dayanand Saraswati

○ **D.** Mahatma Gandhi

Who was the last Viceroy of India?

Please mark (✓) for the correct answer.

○ **A.** Lord Canning

○ **B.** Lord Mountbatten

○ **C.** Lord Ripon

○ **D.** Lord Wellesley

Which amendment of the Constitution added the word 'Secular' in the Preamble?

Please mark (✓) for the correct answer.

○ **A.** 41st Amendment

○ **B.** 42nd Amendment

○ **C.** 43rd Amendment

○ **D.** 44th Amendment

Domestic Violence Act came into effect in

Please mark (✓) for the correct answer.

○ **A.** 2005   ○ **B.** 2006

○ **C.** 2007   ○ **D.** 2008

What is the term of Prime Minister as mentioned in the Constitution?

Please mark (✓) for the correct answer.

○ **A.** 5 years   ○ **B.** 6 years

○ **C.** No fixed term   ○ **D.** None of these

Who is the interpreter of the Constitution?

Please mark (✓) for the correct answer.

○ **A.** Supreme Court   ○ **B.** Lok Sabha

○ **C.** Rajya Sabha   ○ **D.** President

Supreme Court has made Right to Free Education as the part of which among the following rights?

Please mark (✓) for the correct answer.

○ **A.** Right to life   ○ **B.** Right against exploitation

○ **C.** Right to freedom of speech and expression   ○ **D.** Cultural and educational rights

---

Who administers the oath of the Chief Justice of High Court?

Please mark (✓) for the correct answer.

○ **A.** Chief Minister of the state   ○ **B.** Chief Justice of Supreme Court

○ **C.** Governor of the state   ○ **D.** President of India

Which of the following is related to Bharat Nirman Scheme?

Please mark (✓) for the correct answer.

- ○ **A.** Food grain production self-sufficiency
- ○ **B.** Family welfare programme
- ○ **C.** Infrastructure development
- ○ **D.** Employment generation programme

What is the minimum age for a candidate to be elected as President of India?

Please mark (✓) for the correct answer.

- ○ **A.** 21 years
- ○ **B.** 25 years
- ○ **C.** 30 years
- ○ **D.** 35 years

What is the number of Schedules in the Constitution of India?

Please mark (✓) for the correct answer.

- ○ **A.** 8
- ○ **B.** 10
- ○ **C.** 12
- ○ **D.** 21

Who among the following reserves the right to initiate the Constitution's Amendments?

Please mark (✓) for the correct answer.

- ○ **A.** President of India
- ○ **B.** Supreme Court of India
- ○ **C.** High Court
- ○ **D.** Parliament

Which of the following is the world's largest archipelago country?

Please mark (✓) for the correct answer.

- ○ **A.** Japan
- ○ **B.** Indonesia
- ○ **C.** Malaysia
- ○ **D.** Philippines

Indus river originates in

Please mark (✓) for the correct answer.

A. Kinnaur

B. Ladakh

C. Nepal

D. Tibet

Name the canal joining North Sea and Baltic Sea?

Please mark (✓) for the correct answer.

A. Suez canal

B. Panama canal

C. Kiel canal

D. None of these

Which country is the largest producer of Mica in the world?

Please mark (✓) for the correct answer.

A. USA

B. India

C. China

D. Australia

Which of the following rock contains fossils?

Please mark (✓) for the correct answer.

A. Igneous rock

B. Sedimentary rock

C. Metamorphic rock

D. All of these

Acceleration is a vector quantity, which indicates that its value

Please mark (✓) for the correct answer.

A. can be positive, negative or zero

B. is always negative

C. is always positive

D. is zero

Two boys A and B are applying force on a block. If the block moves towards the boy A, which one of the following statements is correct?

Please mark (✓) for the correct answer.

◯ **A.** Magnitude of force applied by A is greater than that of B.   ◯ **B.** Magnitude of force applied is smaller than that of B.

◯ **C.** Net force on the block is towards B.   ◯ **D.** Magnitude of force applied by A is equal to that of B.

The distance between any two compressions or rarefactions in a longitudinal wave is

Please mark (✓) for the correct answer.

◯ **A.** half wavelength   ◯ **B.** twice the wavelength

◯ **C.** one wavelength   ◯ **D.** one-fourth wavelength

The frequency of subsonic sound is

Please mark (✓) for the correct answer.

◯ **A.** more than 20 Hz   ◯ **B.** 100 Hz

◯ **C.** less than 20 Hz   ◯ **D.** more than 20,000 Hz

Mirage is due to

Please mark (✓) for the correct answer.

◯ **A.** unequal heating of different parts of the atmosphere   ◯ **B.** magnetic disturbances in the atmosphere

◯ **C.** depletion of ozone layer in the atmosphere   ◯ **D.** equal heating of different parts of the atmosphere

Magnetism at the centre of a bar magnet is

Please mark (✓) for the correct answer.

◯ **A.** minimum   ◯ **B.** maximum

◯ **C.** zero   ◯ **D.** minimum or maximum

A pendulum oscillates 20 times in 4 seconds. Find its time period.

Please mark (✓) for the correct answer.

- A. 0.05 sec
- B. 0.001 sec
- C. 0.2 sec
- D. 0.1 sec

What is the name of the instrument which is used to determine atmospheric pressure?

Please mark (✓) for the correct answer.

- A. Barometer
- B. Altimeter
- C. Fathometer
- D. Ammeter

The action and reaction forces referred to in Newton's third law

Please mark (✓) for the correct answer.

- A. must act on the same object
- B. may act on different objects
- C. must act on different objects
- D. need not be equal in magnitude but act in the same direction

---

Myopia can be corrected by using a

Please mark (✓) for the correct answer.

- A. concave lens
- B. convex lens
- C. opaque lens
- D. micro lens

Pure water is a .... of electricity.

Please mark (✓) for the correct answer.

- A. super conductor
- B. bad conductor
- C. speed conductor
- D. None of the above

1 dyne (a unit of force in CGS system) equals to

Please mark (✓) for the correct answer.

- A. 10^3 g-cm/s²
- B. 10^{-2} g-cm/s²
- C. 10^3 kg-m/s²
- D. 10^5 kg-m/s²

A body is falling freely under the action of gravity alone in vacuum. Which one of the following remains constant during the fall?

Please mark (✓) for the correct answer.

- A. Potential energy
- B. Kinetic energy
- C. Total linear momentum
- D. Total mechanical energy

The power of an earthquake is expressed in terms of magnitude on a scale called

Please mark (✓) for the correct answer.

- A. Righter scale
- B. Quake scale
- C. Richter scale
- D. Earth scale

Which one of the following statements about energy is correct?

Please mark (✓) for the correct answer.

- A. Energy can be created as well as destroyed
- B. Energy can be created but not destroyed
- C. Energy can neither be created nor destroyed
- D. Energy cannot be created but can be destroyed

The synthetic material which can be used for making fabric as well as shatterproof bottles and jars is

Please mark (✓) for the correct answer.

- A. nylon
- B. rayon
- C. polyester
- D. acrylic

The substance having the highest calorific value is

Please mark (✓) for the correct answer.

○ **A.** hydrogen   ○ **B.** bio gas

○ **C.** LPG   ○ **D.** CNG

The following that are stored in water and kerosene respectively are

Please mark (✓) for the correct answer.

○ **A.** mercury and potassium   ○ **B.** potassium and mercury

○ **C.** phosphorus and sodium   ○ **D.** sodium and phosphorus

---

In destructive distillation, the solid black residue is called

Please mark (✓) for the correct answer.

○ **A.** coal   ○ **B.** ash

○ **C.** coke   ○ **D.** coal tar

Sulphur dioxide dissolves in water to give

Please mark (✓) for the correct answer.

○ **A.** Sulphurous acid   ○ **B.** sulphur acid

○ **C.** sulphur oxide   ○ **D.** sulphuric acid

Fire fighters uniform is coated with a plastic that is fire resistant. Identify the plastic from the given options.

Please mark (✓) for the correct answer.

○ **A.** Teflon   ○ **B.** Melamine

○ **C.** PET   ○ **D.** Polyester

A student classifies chromium as ductile but not carbon. What explains the classification?

Please mark (✓) for the correct answer.

○ **A.** Chromium can be drawn into thin wires, but carbon cannot.

○ **B.** Chromium can be made into thin sheets, but carbon cannot.

○ **C.** Chromium can be beaten to make sound, but carbon cannot.

○ **D.** Chromium can be plated over other metals, but carbon cannot.

Two elements X and Y are reacted with oxygen to form their respective oxides. They are then dissolved in water. Element X forms a hydroxide which is basic in nature. Element Y forms an acid. What can elements X and Y be?

Please mark (✓) for the correct answer.

○ **A.** X-Metal; Y-Non-metal

○ **B.** X-Non-metal; Y-Metal

○ **C.** X-Metal; Y-Metal

○ **D.** X-Non-metal; Y-Non-metal

Name the element that can displace copper from the copper sulphate solution?

Please mark (✓) for the correct answer.

○ **A.** Iron

○ **B.** Platinum

○ **C.** Gold

○ **D.** Silver

Sodium and phosphorus can be used in

Please mark (✓) for the correct answer.

○ **A.** machinery

○ **B.** electric wires

○ **C.** fertilizers

○ **D.** fuel

--- END OF QUESTION PAPER ---

Answer Key

No	Question Type	QID	Correct Answer
Question - 1	Multiple Choice (Radiobutton)	3008	B
Question - 2	Multiple Choice (Radiobutton)	3009	D
Question - 3	Multiple Choice (Radiobutton)	3010	D
Question - 4	Multiple Choice (Radiobutton)	3011	A
Question - 5	Multiple Choice (Radiobutton)	3012	D
Question - 6	Multiple Choice (Radiobutton)	3013	C
Question - 7	Multiple Choice (Radiobutton)	3014	D
Question - 8	Multiple Choice (Radiobutton)	3015	B
Question - 9	Multiple Choice (Radiobutton)	3016	C
Question - 10	Multiple Choice (Radiobutton)	3017	D
Question - 11	Multiple Choice (Radiobutton)	3018	D
Question - 12	Multiple Choice (Radiobutton)	3019	D
Question - 13	Multiple Choice (Radiobutton)	3020	B
Question - 14	Multiple Choice (Radiobutton)	3021	D
Question - 15	Multiple Choice (Radiobutton)	3022	A
Question - 16	Multiple Choice (Radiobutton)	3023	A
Question - 17	Multiple Choice (Radiobutton)	3024	B
Question - 18	Multiple Choice (Radiobutton)	3025	A
Question - 19	Multiple Choice (Radiobutton)	3026	C
Question - 20	Multiple Choice (Radiobutton)	3027	D
Question - 21	Multiple Choice (Radiobutton)	3028	A
Question - 22	Multiple Choice (Radiobutton)	3029	C
Question - 23	Multiple Choice (Radiobutton)	3030	B
Question - 24	Multiple Choice (Radiobutton)	3031	A
Question - 25	Multiple Choice (Radiobutton)	3032	A
Question - 26	Multiple Choice (Radiobutton)	3633	C
Question - 27	Multiple Choice (Radiobutton)	3634	B
Question - 28	Multiple Choice (Radiobutton)	3635	A
Question - 29	Multiple Choice (Radiobutton)	3636	A
Question - 30	Multiple Choice (Radiobutton)	3637	A
Question - 31	Multiple Choice (Radiobutton)	3638	D
Question - 32	Multiple Choice (Radiobutton)	3639	D
Question - 33	Multiple Choice (Radiobutton)	3640	C
Question - 34	Multiple Choice (Radiobutton)	3641	B
Question - 35	Multiple Choice (Radiobutton)	3642	A
Question - 36	Multiple Choice (Radiobutton)	3643	C
Question - 37	Multiple Choice (Radiobutton)	3644	B
Question - 38	Multiple Choice (Radiobutton)	3645	A
Question - 39	Multiple Choice (Radiobutton)	3646	D
Question - 40	Multiple Choice (Radiobutton)	3647	A
Question - 41	Multiple Choice (Radiobutton)	3648	C
Question - 42	Multiple Choice (Radiobutton)	3649	A

No	Question Type	QID	Correct Answer
Question - 43	Multiple Choice (Radiobutton)	3650	C
Question - 44	Multiple Choice (Radiobutton)	3651	A
Question - 45	Multiple Choice (Radiobutton)	3652	A
Question - 46	Multiple Choice (Radiobutton)	3653	A
Question - 47	Multiple Choice (Radiobutton)	3654	D
Question - 48	Multiple Choice (Radiobutton)	3655	C
Question - 49	Multiple Choice (Radiobutton)	3656	A
Question - 50	Multiple Choice (Radiobutton)	3657	D
Question - 51	Multiple Choice (Radiobutton)	3658	B
Question - 52	Multiple Choice (Radiobutton)	3659	D
Question - 53	Multiple Choice (Radiobutton)	3660	B
Question - 54	Multiple Choice (Radiobutton)	3661	D
Question - 55	Multiple Choice (Radiobutton)	3662	C
Question - 56	Multiple Choice (Radiobutton)	3663	B
Question - 57	Multiple Choice (Radiobutton)	3664	B
Question - 58	Multiple Choice (Radiobutton)	3665	C
Question - 59	Multiple Choice (Radiobutton)	3666	C
Question - 60	Multiple Choice (Radiobutton)	3667	A
Question - 61	Multiple Choice (Radiobutton)	3668	B
Question - 62	Multiple Choice (Radiobutton)	3669	D
Question - 63	Multiple Choice (Radiobutton)	3670	C
Question - 64	Multiple Choice (Radiobutton)	3671	C
Question - 65	Multiple Choice (Radiobutton)	3672	B
Question - 66	Multiple Choice (Radiobutton)	3673	B
Question - 67	Multiple Choice (Radiobutton)	3674	B
Question - 68	Multiple Choice (Radiobutton)	3675	C
Question - 69	Multiple Choice (Radiobutton)	3676	D
Question - 70	Multiple Choice (Radiobutton)	3677	A
Question - 71	Multiple Choice (Radiobutton)	3678	C
Question - 72	Multiple Choice (Radiobutton)	3679	A
Question - 73	Multiple Choice (Radiobutton)	3680	B
Question - 74	Multiple Choice (Radiobutton)	3681	C
Question - 75	Multiple Choice (Radiobutton)	3682	A
Question - 76	Multiple Choice (Radiobutton)	3694	A
Question - 77	Multiple Choice (Radiobutton)	3695	B
Question - 78	Multiple Choice (Radiobutton)	3696	D
Question - 79	Multiple Choice (Radiobutton)	3697	B
Question - 80	Multiple Choice (Radiobutton)	3698	C
Question - 81	Multiple Choice (Radiobutton)	3699	C
Question - 82	Multiple Choice (Radiobutton)	3700	D
Question - 83	Multiple Choice (Radiobutton)	3701	A
Question - 84	Multiple Choice (Radiobutton)	3702	C
Question - 85	Multiple Choice (Radiobutton)	3683	C
Question - 86	Multiple Choice (Radiobutton)	3684	D
Question - 87	Multiple Choice (Radiobutton)	3685	A
Question - 88	Multiple Choice (Radiobutton)	3686	B

No	Question Type	QID	Correct Answer
Question - 89	Multiple Choice (Radiobutton)	3687	D
Question - 90	Multiple Choice (Radiobutton)	3688	B
Question - 91	Multiple Choice (Radiobutton)	3689	D
Question - 92	Multiple Choice (Radiobutton)	3690	B
Question - 93	Multiple Choice (Radiobutton)	3691	B
Question - 94	Multiple Choice (Radiobutton)	3692	A
Question - 95	Multiple Choice (Radiobutton)	3693	B
Question - 96	Multiple Choice (Radiobutton)	3703	B
Question - 97	Multiple Choice (Radiobutton)	3704	C
Question - 98	Multiple Choice (Radiobutton)	3705	B
Question - 99	Multiple Choice (Radiobutton)	3706	D
Question - 100	Multiple Choice (Radiobutton)	3707	A
Question - 101	Multiple Choice (Radiobutton)	3708	C
Question - 102	Multiple Choice (Radiobutton)	3709	A
Question - 103	Multiple Choice (Radiobutton)	3710	B
Question - 104	Multiple Choice (Radiobutton)	3711	B
Question - 105	Multiple Choice (Radiobutton)	3712	A
Question - 106	Multiple Choice (Radiobutton)	3713	C
Question - 107	Multiple Choice (Radiobutton)	3714	B
Question - 108	Multiple Choice (Radiobutton)	3715	C
Question - 109	Multiple Choice (Radiobutton)	3716	C
Question - 110	Multiple Choice (Radiobutton)	3717	B
Question - 111	Multiple Choice (Radiobutton)	3718	B
Question - 112	Multiple Choice (Radiobutton)	3719	B
Question - 113	Multiple Choice (Radiobutton)	3720	C
Question - 114	Multiple Choice (Radiobutton)	3721	A
Question - 115	Multiple Choice (Radiobutton)	3722	A
Question - 116	Multiple Choice (Radiobutton)	3723	C
Question - 117	Multiple Choice (Radiobutton)	3724	C
Question - 118	Multiple Choice (Radiobutton)	3725	D
Question - 119	Multiple Choice (Radiobutton)	3726	C
Question - 120	Multiple Choice (Radiobutton)	3727	D
Question - 121	Multiple Choice (Radiobutton)	3728	B
Question - 122	Multiple Choice (Radiobutton)	3729	D
Question - 123	Multiple Choice (Radiobutton)	3730	C
Question - 124	Multiple Choice (Radiobutton)	3731	C
Question - 125	Multiple Choice (Radiobutton)	3732	B
Question - 126	Multiple Choice (Radiobutton)	3733	A
Question - 127	Multiple Choice (Radiobutton)	3734	A
Question - 128	Multiple Choice (Radiobutton)	3735	C
Question - 129	Multiple Choice (Radiobutton)	3736	C
Question - 130	Multiple Choice (Radiobutton)	3737	A
Question - 131	Multiple Choice (Radiobutton)	3738	C
Question - 132	Multiple Choice (Radiobutton)	3739	C
Question - 133	Multiple Choice (Radiobutton)	3740	A
Question - 134	Multiple Choice (Radiobutton)	3741	B
Question - 135	Multiple Choice (Radiobutton)	3742	A

No	Question Type	QID	Correct Answer
Question - 136	Multiple Choice (Radiobutton)	3743	B
Question - 137	Multiple Choice (Radiobutton)	3744	D
Question - 138	Multiple Choice (Radiobutton)	3745	D
Question - 139	Multiple Choice (Radiobutton)	3746	C
Question - 140	Multiple Choice (Radiobutton)	3747	C
Question - 141	Multiple Choice (Radiobutton)	3748	C
Question - 142	Multiple Choice (Radiobutton)	3749	A
Question - 143	Multiple Choice (Radiobutton)	3750	C
Question - 144	Multiple Choice (Radiobutton)	3751	C
Question - 145	Multiple Choice (Radiobutton)	3752	A
Question - 146	Multiple Choice (Radiobutton)	3753	B
Question - 147	Multiple Choice (Radiobutton)	3754	A
Question - 148	Multiple Choice (Radiobutton)	3755	A
Question - 149	Multiple Choice (Radiobutton)	3756	A
Question - 150	Multiple Choice (Radiobutton)	3757	C

--- END OF ANSWER KEY ---