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# DRDO CEPTAM Exam

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# DRDO CEPTAM Reasoning Question Paper

Q.1 Five articles, bat, ball, fan, table and chair, are kept one above the other (not necessarily in the same order). The bat is four places above the fan. The table is between the ball and the chair. The chair is three places below the bat. Which article is at the second position from the top?

- Ans
- 1. Fan
  - 2. Table
  - 3. Ball
  - 4. Chair

Q.2 Five teachers, H, K, P, R and T, are sitting around a circular table facing towards the centre (not necessarily in the same order). T is between H and R. P is second to the right of R. H is to the immediate left of T. Who is sitting to the immediate left of K?

- Ans
- 1. T
  - 2. H
  - 3. P
  - 4. R

Q.3 In a certain code language, 'RIGIDS' is written as 'TFIFFP'. What will be the code for 'CORNET' in that code language?

- Ans
- 1. GNVNIS
  - 2. FMULHR
  - 3. ELTKRQ
  - 4. ELTKGQ

Question ID : 239087260

Status : Answered

Chosen Option : 4

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Q.4 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- I. No A is B.
- II. All C are D.
- III. Some C are B.

Conclusions:

- I. Some D are B.
- II. Some B are C.
- III. All C are B.

- Ans
- 1. Both conclusions I and II follow.
  - 2. Both conclusions I and III follow.
  - 3. Only conclusion III follows.
  - 4. Only conclusion II follows.

Q.5

Ans

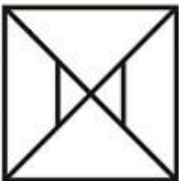
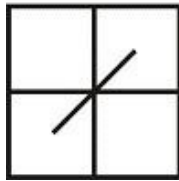
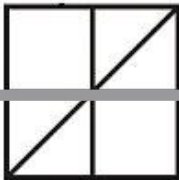
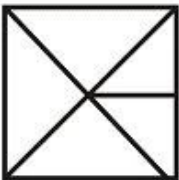
~~X~~ 1.

~~X~~ 2.

~~S~~ 3. the option in which the given figure is embedded. (Rotation is not allowed)



✓ 4.



Question ID : 239087277  
Status : Answered  
Chosen Option : 4

Q.6 In a certain code language, 'ROK' is written as '44' and 'MIG' is written as '29'. What will be the code for 'TAL' in that code language?

Ans  1. 33

2. 34

3. 41

4. 43

Q.7 Which two signs need to be interchanged to make the following equation correct?

$$73 - 13 \times 42 \div 14 + 56 = 56$$

Ans  1. + and ×

2. × and ÷

3. - and +

4. - and ×

Q.8 Select the option that is related to the third number in the same way as the second number is related to the first number.

$$35 : 66 :: 29 : ?$$

Ans  1. 63

2. 62

3. 60

4. 57

Q.9

Ans

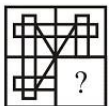
1.

2.

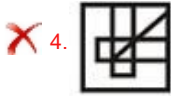
3.

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Study the given pattern carefully and select the figure that will complete the pattern given in the question figure.



- 
- 
-



Q.10 In a certain code language, 'PING' is written as '4' and 'METAL' is written as '5'. What will be the code for 'STEADYS' in that code language?

- Ans
- 1. 8
  - 2. 7
  - 3. 5
  - 4. 6

Q.11 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

- I. Some red are rat.
- II. Some rat are wild.

Conclusions:

- I. Some wild are rat.
- II. All wild are rat.
- III. Some red are wild.

- Ans
- 1. None of the conclusions follows.
  - 2. Only conclusion I follows.
  - 3. Only conclusion III follows.
  - 4. Only conclusion II follows.

Q.12 Select the number that can replace the question mark (?) in the following series.

16, 20, 29, 45, 70, ?

- Ans
- 1. 106
  - 2. 116
  - 3. 96
  - 4. 126

Q.13 Six laptops, N, Q, P, L, R and A, are placed in a row facing towards the north (not necessarily in the same order). N is placed to the immediate left of A. R is placed second to the left of Q. P is placed second to the right of A. P is placed to the immediate right of R. L is placed to the left of N. Which laptop is

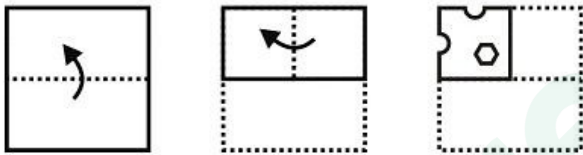


- Ans
- 1. N
  - 2. Q
  - 3. P
  - 4. A

Q.14 If the two signs, '+' and ÷ ' are interchanged, which of the following equations will be correct?

- Ans
- 1.  $16 \div 9 + 4 \times 8 = 34$
  - 2.  $16 \div 21 + 13 \times 26 = 56$
  - 3.  $11 + 13 \times 4 \div 2 = 37$
  - 4.  $13 \times 9 + 16 \div 2 = 125$

Q.15 A paper is folded and cut as shown below. How will it appear when unfolded?



Ans

- 1.
- 2.
- 3.
- 4.

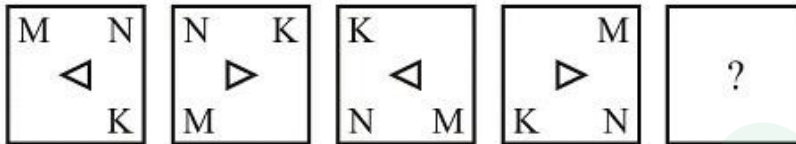
Question ID : 239087279

Q.16 Select the number that can replace the question mark (?) in the following series.

31, 44, 58, 73, 89, ?

- Ans
- 1. 105
  - 2. 106
  - 3. 115
  - 4. 116

Q.17 Select the option figure that will come next in the following series.



Ans

- 1.
- 2.
- 3.
- 4.

Q.18 Identify the Venn diagram that best represents the relationship between the given classes.

Painter, Lawyer, Singer

Ans

- 1.



Q.19 Select the letter-pair that can replace the question mark (?) in the following series.

AR, CU, EX, GA, ?

Ans X 1. JE

✓ 2. ID

X 3. IF

X 4. KF

Q.20 Select the word pair in which the two words are related in the same way as the two words in the following word-pair.

Five : Pentagon

Ans ✓ 1. Four : Rectangle

X 2. Triangle : Three

X 3. Square : Four

X 4. Six : Septagon

Q.21 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

7 6 3 48  
4 9 8 63  
2 5 7 ?

Ans 1. 28

✓ 2. 42

X 3. 52

X 4. 56

Q.22 In a certain code language, 'GROUND' is written as 'BMJPIY'. What will be the code for 'FREAK' in that code language?

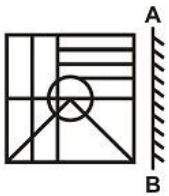
- Ans
- 1. BOAYH
  - 2. AMYVF
  - 3. BNAWG
  - 4. AMZVF

Q.23 Select the option that is related to the third term in the same way as the second term is related to the first term.

Colour : Red :: Profession : ?

- Ans
- 1. Lawyer
  - 2. Court
  - 3. School
  - 4. Black

Q.24 Select the correct mirror image of the given figure when the mirror is placed at line AB.



Ans

- 1.
- 2.
- 3.

X 4.



Q.25 Select the option in which the letters share the same relationship as that shared by the given pair of letters.

JT : NX

- Ans
- ✓ 1. TP : XT
  - X 2. RK : VG
  - X 3. GS : KU
  - X 4. LD : PG

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