

9 Aug 2024 (Shift 1)

Q1 In a row P's rank from the left end is 12th and R's rank from the right end is 11th, After that they interchange their position P become 20th from the left. How many persons there in the row ?

- (A) 29 (B) 31
(C) 30 (D) 32

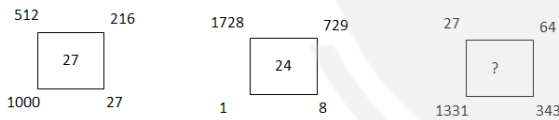
Q2 If the 5th day of the month is Tuesday then what is the date of 5 days after the 3rd friday of the month ?

- (A) 21 (B) 19
(C) 18 (D) 20

Q3 If $2 \div 5 = 33$ and $6 \div 3 = 49$ so, find the value of $4 \div 3 = ?$

- (A) 28 (B) 29
(C) 30 (D) 27

Q4 In the following question, select the number which can be placed at the sign of question mark (?) from the given alternatives.



- (A) 23 (B) 22
(C) 25 (D) 24

Q5 Directions : what value will come in place of question mark(?) in the given number series?

122, 126, 138, 162, 206, ?

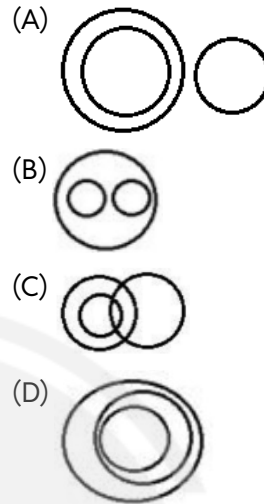
- (A) 278 (B) 288
(C) 290 (D) 293

Q6 If North-east becomes South, South-east becomes west and so on. What will south become ?

- (A) North-East (B) North
(C) South-West (D) North-West

Q7

Select the Venn diagram that best illustrates the relationship between the following classes.
polygon , rhombus , quadrilatera



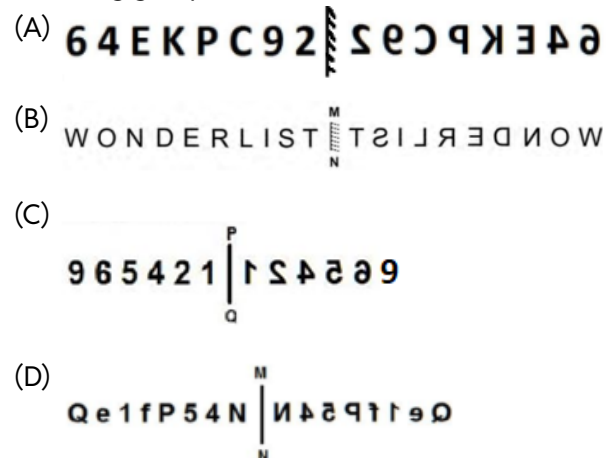
Q8 In a certain code language, PARENTS is written as SDUHQWV. How is CHILD written in that code?

- (A) FKLOF (B) FKMOG
(C) FKLOH (D) FKLOG

Q9 In the following question, select the odd letters from the given alternatives.

- (A) KOLS (B) GJHN
(C) CPDS (D) QTRX

Q10 Select the figure that does NOT belong in the following group.



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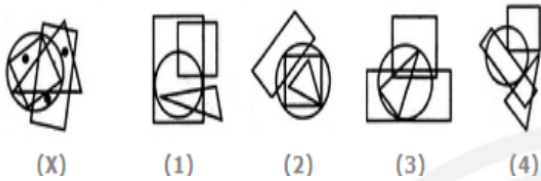
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Q11 In a certain code language, 'Supply Market Good' is coded as 'RKE'; 'Good Value Daily' is coded as 'HKU' and 'Right Flow Supply' is coded as 'RNZ'. How will 'Market' be coded in that language?

- (A) K
(B) R
(C) E
(D) Can not be determined

Q12 Select the figure which satisfies the same conditions of placement of the dots as in Figure-X.



- (A) 4
(B) 3
(C) 2
(D) 1

Q13 Introducing a lady, Raman said, "She is the wife of my father's father-in-law". How is the lady related to Raman?

- (A) Maternal aunt
(B) Maternal grandmother
(C) Mother in law
(D) Paternal grandmother

Q14 Which of the following numbers will replace the question mark (?) in the given series?

51, 52, 56, ?, 81, 106

- (A) 64
(B) 66
(C) 65
(D) 67

Q15 Eight friends A, B, C, D, E, F, G and H are sitting anticlockwise in the same sequence around a circular table at equal distances facing the centre. Then, C and H interchange their places. If B is sitting in the south direction, in which direction is H facing now?

- (A) North-east
(B) South-east
(C) North-west
(D) South-west

Q16 Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third

term.

HER : GCM :: TOP : SMK :: PIT : ?

- (A) OHO
(B) OGO
(C) OGQ
(D) QGP

Q17 Rearrange the following words into a meaningful word and find the odd one out-

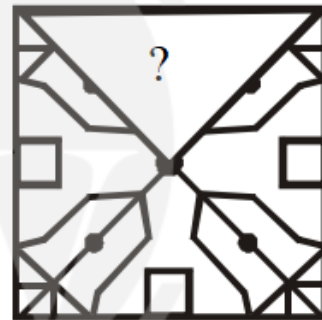
- (A) AIRGEM
(B) ALEFAR
(C) KHIOUS
(D) OEGNIB

Q18 Pointing to the photograph of a girl, Raghav said, "She is my father's mother's daughter's only brother's daughter". How is Raghav's father related to that girl's mother?

- (A) Maternal uncle
(B) Son
(C) Husband
(D) Father

Q19 Which answer figure will complete the pattern in the following question figure?

Question Figure



Answer Figure:

- (A)
- (B)
- (C)
- (D)

Q20



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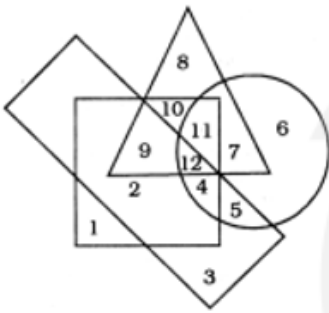
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Study the given pattern carefully and select the number that can replace the question mark (?) in it.

3	2	38	5
5	3	?	4
7	1	54	2

- (A) 40 (B) 52
(C) 50 (D) 48

- Q21** In the given figure, the circle stands for intelligence, square for hard - working, triangle for post-graduate and the rectangle for loyal employees. Study the figure and indicate the number which represents post-graduate employees who are hard-working and intelligent but not loyal?

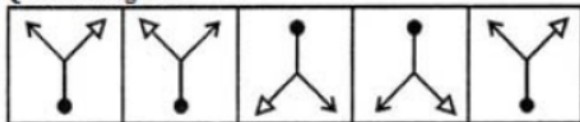


- (A) 12 (B) 11
(C) 10 (D) 9

- Q22** Four letter clusters have been given out of which three are alike in some manner and one is different. Select the odd one.
(A) NGMAO (B) CNILPE
(C) ANNABA (D) APELP

- Q23** Select the figure that will come next in the following series.

Question Figure:



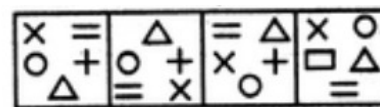
- (A)
- (B)
- (C)
- (D)

- Q24** Select the option that is related to the third word in the same way as the second word is related to the first word. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Three : Triangle :: Four : ?

- (A) Octagon (B) Angle
(C) Rectangle (D) Pentagon

- Q25** Choose the figure which is different from the rest.



- (1) (2) (3) (4)
(A) 1 (B) 2
(C) 3 (D) 4



Answer Key

Q1 (C)
Q2 (D)
Q3 (B)
Q4 (C)
Q5 (A)
Q6 (D)
Q7 (D)
Q8 (D)
Q9 (C)
Q10 (C)
Q11 (C)
Q12 (A)
Q13 (B)

Q14 (C)
Q15 (C)
Q16 (B)
Q17 (D)
Q18 (C)
Q19 (A)
Q20 (C)
Q21 (B)
Q22 (B)
Q23 (D)
Q24 (C)
Q25 (D)

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Hints & Solutions

Q1 Text Solution:

Total = L + R - 1 = 20 + 11 - 1 = 30.

Q2 Text Solution:

3rd friday fall on - 15th so 15 + 5 = 20th.

Q3 Text Solution:

logic: sum of square the number + 4

$$4^2 + 3^2 = 16 + 9 = 25 + 4 = 29$$

Q4 Text Solution:

Logic: Sum of cube roots of the number

$$\sqrt[3]{27} + \sqrt[3]{64} + \sqrt[3]{1331} + \sqrt[3]{343} = 25$$

Q5 Text Solution:

Logic: +4, +12, +24, +44 so next +72

$$206 + 72 = 278$$

Q6 Text Solution:

South become North-West

Q7 Text Solution:

All rhombus are quadrilatera and all quadrilatera are polygon.

Q8 Text Solution:

logic: +3

Q9 Text Solution:

Logic: alternate +1 and +4

Q10 Text Solution:

Option c's mirror image is not correct.

Q11 Text Solution:

Supply - R

Good - K

so, Market - E.

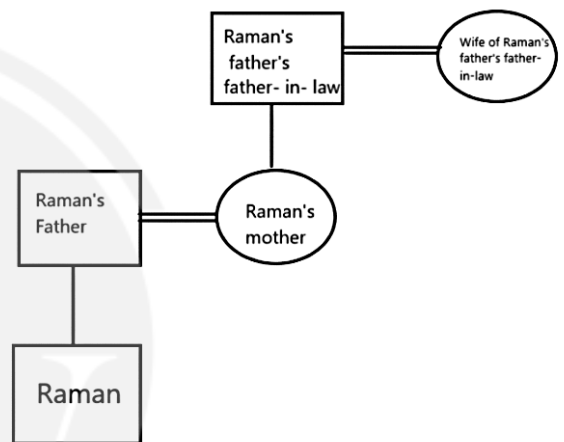
Q12 Text Solution:

In fig. (X), one of the dots lies in the region common to the circle and the square only, another dot lies in the region common to the circle and the rectangle only and the third dot lies in the region common to the triangle and the rectangle only. In fig. (1) there is no region common to the circle and the square only. In figures (2) and (3) there are no. regions common

to the triangle and the rectangle only. Only fig. (4) consists of all three types of regions.


Q13 Text Solution:

According to the given instructions in the question:



Here, Circle represents : Female.

Square represents: Male.

From the figure we can see that that lady is the mother of the mother of Raman.

Hence, **Maternal grandmother** is the correct answer.

Q14 Text Solution:

- Here we have to find the number that will replace the question mark (?) in the given series.

Given series: 51, 52, 56, ?, 81, 106

Logic used in the above series-

- Here, starting from the first number, each subsequent number is obtained by adding the square of the consecutive numbers.



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The pattern followed by the given series is as follows:-

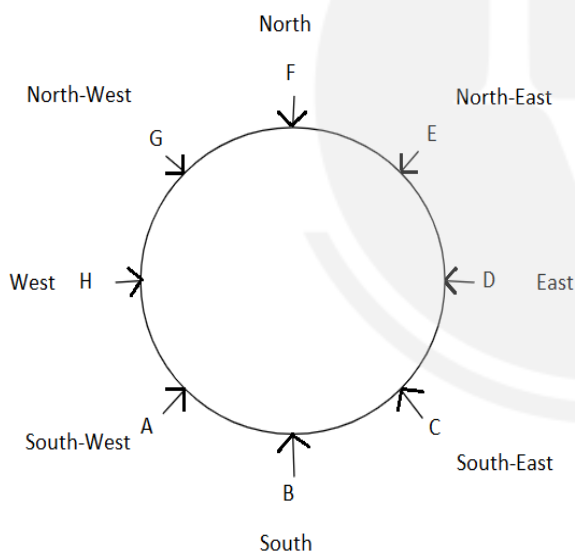
- $51 + (1)^2$; $(51 + 1) = 52$
- $52 + (2)^2$; $(52 + 4) = 56$
- $56 + (3)^2$; $(56 + 9) = 65$
- $65 + (4)^2$; $(65 + 16) = 81$
- $81 + (5)^2$; $(81 + 25) = 106$

Hence, **65** is the correct answer.

Q15 Text Solution:

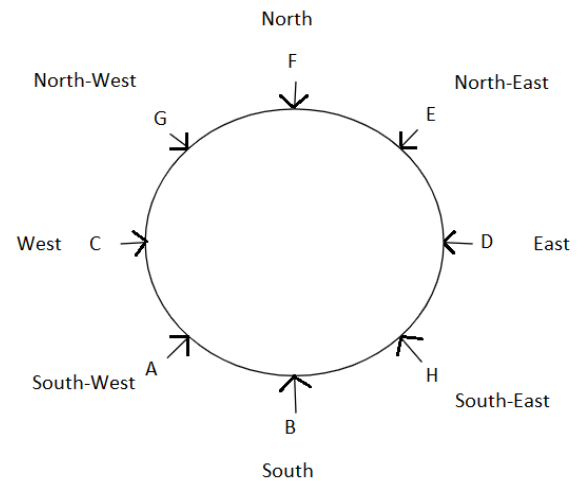
Here, in this question we have to find in which direction is H facing now.

- **Given:-**
- Eight friends A, B, C, D, E, F, G and H are sitting anticlockwise in the same sequence around a circular table at equal distances facing the centre.
- If B is sitting in the south direction.



- Then, C and H interchange their places.

(After interchanging the place we get the new position)



Clearly, H is facing towards the North-West direction.

Hence, the correct answer is **North-West**.

Q16 Text Solution:

In the given terms, there is some relation between the two. We have to find the related term from the given alternatives which will come in place of question mark (?).

The logic used is:-

- Here 1, 2 and 5 are subtracted from the first, second and third letters of each first letter-group respectively to get the second letter-group.

As,

- HER : GCM

H	E	R
↓ -1	↓ -2	↓ -5
G	C	M

And,

- TOP : SMK

T	O	P
↓ -1	↓ -2	↓ -5
S	M	K



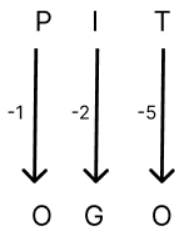
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Similarly,

- PIT : ?



Hence, "OGO" is the correct answer.

Q17 Text Solution:

Explanation-

After rearranging the words are-

1. MIRAGE
2. RAFALE
3. SUKHOI
4. **BOEING**

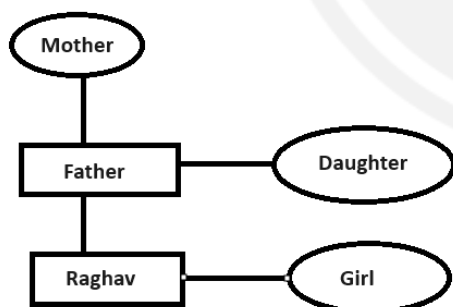
Clearly except (4) Boeing, all are fighter planes.

Correct ans. D.

Q18 Text Solution:

In this question we have to make a family tree according to the question and we have to find how Raghav's father is related to that girl's mother.

The family diagram is:-



From the figure we can see that Raghav's Father is that girl's mother's Husband.

Hence, "**Husband**" is the correct answer.

Q19 Text Solution:

To complete the given figure, the answer figure should follow the pattern of the given figure. We see that the following figure completes the pattern.



Hence, Option A is the correct answer.

Q20 Text Solution:

It follows this pattern:

$$3^2 + 2^2 + 5^2 = 9 + 4 + 25 = 38$$

$$7^2 + 1^2 + 2^2 = 49 + 1 + 4 = 54$$

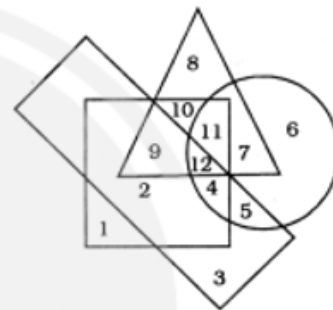
Similarly,

$$5^2 + 3^2 + 4^2 = 25 + 9 + 16 = 50$$

Hence, 50 is the correct answer.

Q21 Text Solution:

In the given figure,



We can see that:

- The required region should be common to circle, square and triangle but outside the rectangle.

According to the figure, number of such region is marked = 11

Hence, 11 is the right answer.

Q22 Text Solution:

Rearranging the letters of the word to form meaningful words, we have

i-NGMAO- MANGO

ii- CNILPE- PENCIL

iii- ANNABA- BANANA

iv- APELP- APPLE

Except Option b, every other is a name of the fruit. Therefore, PENCIL/CNILPE is the odd one.

Hence, the correct answer is **Option b** i.e., CNILPE

Q23 Text Solution:

Given figure series is:

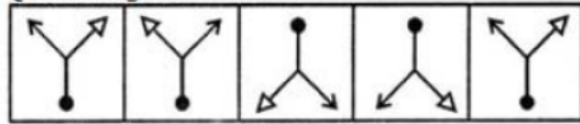


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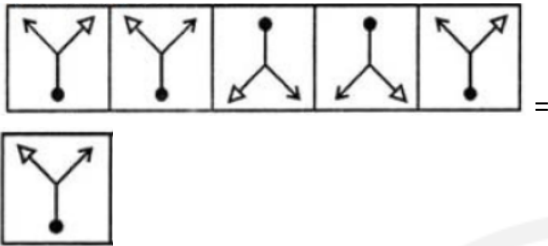
Question Figure:



Here the pattern followed is :

- Let us see the given series as two images as one group. Then the second image of the group is the mirror image of the first image.

So, next pattern will be:



Hence, Option(D) is the correct answer.

Q24 Text Solution:

According to the question :

We have been given words relating each other .

The second word is related to the first word in some way . We have to find the logic for relation of second word to the first word , and then have

to find the fourth word relating to the third word in the same way as the second does to the first.

Logic : Second word is the closed figure made up of number of sides told in first word

- Three : Triangle

Triangle is made up of three sides.

- Four : ?

Square and rectangles are the closed figures which has four sides.

In the given options , Rectangle is there and square is not .

So , **Rectangle is the fourth word** which is related to the third given word .

Hence , “ **Rectangle** “ is the correct answer.

Q25 Text Solution:

Among the given figures:

Figure (1), (2), and (3) have all the five signs same,while,

Figure (4) has a rectangle in place of '+' sign.

So, Figure (4) is the odd one among all the figures.

Hence, **Option(D)** is the correct answer.



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