



Verbal Reasoning General

Topic – Number Analogy

1. Select the option that is related to the third term in the same way as thesecond term is related to the first term.

21: 462 :: 41:?

- a) 1681
- b) 1690
- c) 1722
- d) 1728

Correct Choice: c

Explanation:

$$(21)^2 + 21 = 462$$

$$(41)^2 + 41 = 1722$$

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Topic – Choosing the Analogous Pair

2. Select the option in which the pair share the same relationship as that shared by the given pair.

City of golden temple: Amritsar

- a) Manchester of India : New Delhi
- b) Paris of India: Jaipur
- c) Tollywood of India: Mumbai
- d) Heart of Rajasthan: Jaipur

Correct Choice: b

Explanation:

Jaipur is known as Paris of India



Topic - Choosing the Analogous Pair

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

DMRC: HQVG:: RAILWAY:?

- a) VEMPZEC
- b) VEMPADC
- c) VEMPAEC
- d) VEMPAED

Correct Choice: d

Explanation:

+4 series

Topic - Coded Blood Relations

4. $A + B$ means 'A is sister of
 B '
 $A - B$ means 'A is son of
 B '

$A \times B$ means 'A is husband of B'

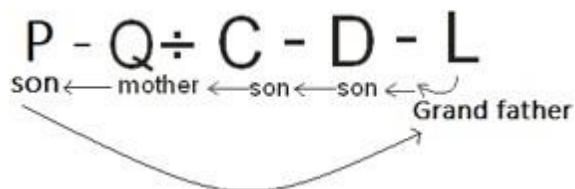
$A \div B$ means 'A is mother of B'

If $P - Q \div C - D - L \times J$, then how is L related to P?

- a) Father
- b) Grandfather
- c) Mother-in-law
- d) Father-in-law

Correct Choice: b

Explanation:



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Topic - Alphabet Series

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

TKN, YFS, DAX, IVC, ?

a) NQH

b) MQH

c) NQG

d) NRH

Correct Choice: a

+5, -5, +5, series

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Topic – Number Series

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

8, 21, 40, ?, 96, 133

a) 61

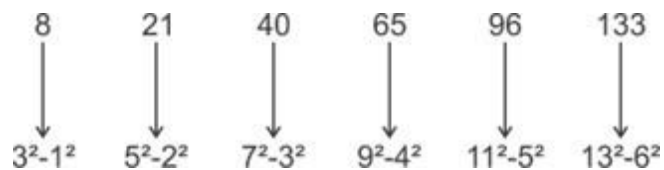
b) 63

c) 65

d) 67

Correct Choice: c

Explanation:



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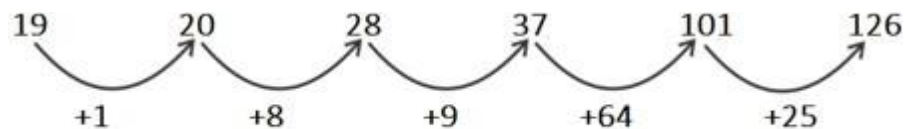
Topic - Number Series

7. Select the option that can replace the question mark (?) in the following series.
19, 20, 28, 37, 101, ?

- a) 126
- b) 121
- c) 120
- d) 226

Correct Choice: a

Explanation:



BY ADDING ALTERNATE SQUARE AND CUBE



Topic - Direct Letter Coding

8. In a certain code language, 'FATHER' is written as 'UZGSVI'. How will 'MOTHER' be written as in that language?

- a) NKGSVI
- b) MLGTVI
- c) NLGTVI
- d) NLGSVI

Correct Choice: d
Explanation:

Opposite letters

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Topic - Detecting Analogies

9. 'magician' is related to 'magic' in the same way as 'joker' is related to-

- a) ball
- b) Moving
- c) comedy
- d) Stage

Correct Choice: c

Explanation:

Magic is done by magician

Comedy is done by joker

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Topic - Number Coding

10. In a certain code language, 'APPLE' is written as '31156' and 'JOINT' is written as '42079'. How will 'NAPTOL' be written as in that language?

- a) 731025
- b) 731925
- c) 125067
- d) 137925

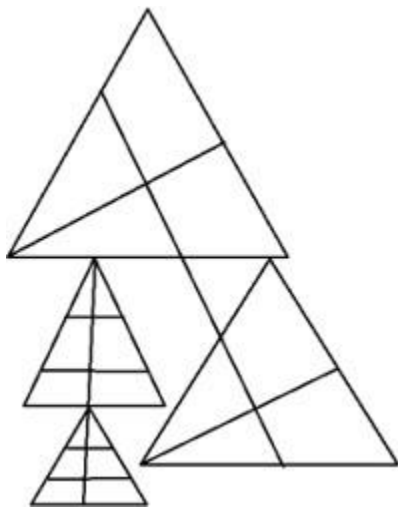
Correct Choice: b

Explanation:

N - 7
A - 3
P - 1
T - 9
O - 2
L - 5

Topic - Counting the Figures

11. Find the no. of triangles in the given figure –



- a) 28
- b) 30
- c) 31
- d) 32

Correct Choice: c

Explanation:

There are 31 triangles in the given figure.

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Topic – Arithmetical Reasoning (Problems on Ages)

12. One year ago a man was 3.5 times as old as his son. In 14 years, he will be twice as old as his son. What are the present ages of the man and his son?

- a) 46 and 21 years
- b) 36 and 11 years
- c) 26 and 2 years
- d) 34 and 7 years

Correct Choice: b

Explanation:

$$\begin{array}{l} 7 \quad : \quad 2 \\ \quad \quad \quad \searrow \\ \quad \quad \quad 3 \rightarrow 15 \\ \quad \quad \quad \swarrow \\ 2 \times 5 \quad : \quad 1 \times 5 \end{array}$$

$$\text{Father Present age} = 7 \times 5 + 1 = 36$$

$$\text{Son Present Age} = 2 \times 5 + 1 = 11$$

Topic - Mirror Image

13. Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.

Y R e d f 8 7 5

a) **Y R e q f 8 7 5**

b) **Y R e d f 8 7 5**

c) **Y R e q f 8 7 5**

d) **Y R e q f 8 7 5**

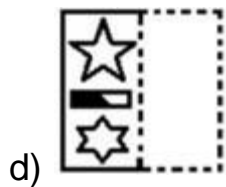
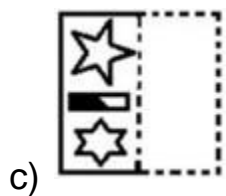
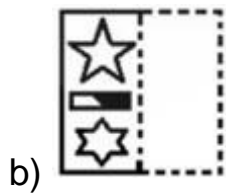
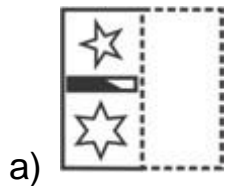
Correct Choice: d

Topic - Paper Folding

14. A figure of transparent sheet with a pattern is given below.
Figure out from amongst the four options as to how the pattern
would appear when the transparent sheet is folded at the dotted



line.



Correct Choice: d



Topic - Ordering & Ranking

15. Rahul, Prem, Shyam, Geet and Rinku are five friends among which Shyam is the tallest. Rahul is shorter than Prem but taller than Rinku. Geet is little shorter than Prem but little taller than Rahul. Who is taller than Rinku but shorter than Geet?

- a) Rahul
- b) Rinku
- c) Prem
- d) Geet

Correct Choice: a

Explanation:

Shyam > Prem > Geet > Rahul > Rinku

∴ Rahul is taller than Rinku but shorter than Geet.

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Topic - Letter Series

16. In the following question, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it? ab_d_ed_baa__de

- a) cebca
- b) cecbc
- c) cecebe
- d) ceebc

Correct Choice: b

a b c d e / e d c b a / a b c d e

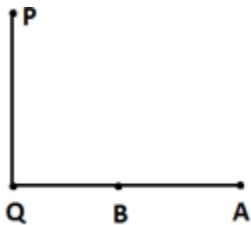
Topic - Distance & Direction

17. A is in the east of B, who is in the east of Q. If Q is in the south of P, then in which direction of A, is P?

- a) Northeast
- b) Northwest
- c) Southeast
- d) Southwest

Correct Choice : b

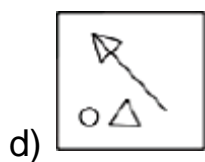
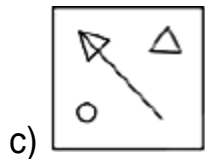
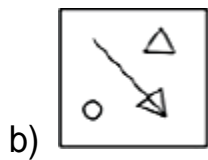
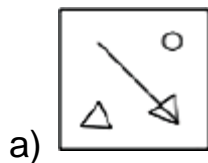
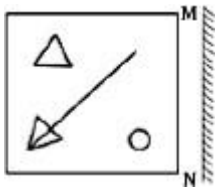
Explanation:



∴ P is in the NorthWest direction of A.

Topic - Mirror Image

18. If a mirror is placed on the line MN, then which of the answer figures is the right image of the given figure?



Correct Choice: b

Tech Mahindra Reasoning Questions & Answers with Solutions - Paper 4



Topic - Number Series

19. Which number will replace the question mark (?) in the following series?
32, 36, 45, 61, 86, ?

- a) 120
- b) 118
- c) 116
- d) 122

Correct Choice: d

Explanation:

$$\begin{array}{cccccc} 32 & & 36 & & 45 & & 61 & & 86 & & 122 \\ \hline & +4 & & +9 & & +16 & & +25 & & +36 & \end{array}$$

Tech Mahindra Reasoning Questions & Answers with Solutions - Paper 4



Topic - Choosing a Similar Pair

20. Select the set in which the numbers are related in the same way as are the numbers of the following set.
(16, 25, 36)

- a) (25, 36, 64)
- b) (16, 36, 49)
- c) (36, 81, 100)
- d) (81, 100, 121)

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Correct Choice: d
Explanation:

Square of three consecutive numbers
($4^2, 5^2, 6^2$)
Similarly ($9^2, 10^2, 11^2$)

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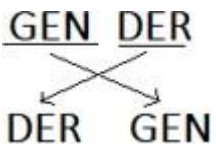


Topic - Letter Coding

21. In a certain code language, 'SOCIAL' is written as 'IALSOC'.
How will 'GENDER' be written as in that language?

- a) REDNEG
- b) DERGEN
- c) REDGEN
- d) DERNEG

Correct Choice: b



Verbal Reasoning Paragraph

Topic - Logical Deduction (Statements – Conclusions)

(22-23) In the following question, two statements are given each followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

(I) Management includes managing people, process, and plans.

(II) Handling people is most difficult in terms of dealing up with various diversities and opinions.

Conclusion:

(I) Diversity brings in difference of opinion because of differences in cognitive abilities.

(II) Management is a multitasking procedure keeping in view 360 degrees of a situation or problem.

- a) Only conclusion II follows
- b) Conclusion I and II both follow
- c) Neither I nor II follow
- d) Only conclusion I follows

Correct Choice: a

Explanation:

Only conclusion II follow

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In the following question, two statements are given each followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given

69)

Statement:

(I) Mother crafts is an art. Young parents needs the training for methods of mother craft.

Conclusion:

(I) Now a day the young parents do not have any knowledge about mother craft.

(II) Young couples will be better parents because of the training.

- a) Only conclusion II follows
- b) Conclusion I and II both follow
- c) Neither I nor II follow
- d) Only conclusion I follows

Correct Choice: d

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In the following question, two statements are given each followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given 70)

Statement:

- (I) All the radio sold in that shop are of high quality
- (II) Some Murphy radio are sold in that stop.

Conclusion:

- (I) All the high-quality radio are manufactured by the Murphy company.
- (II) Some Murphy radio are sold in that high-quality shop.

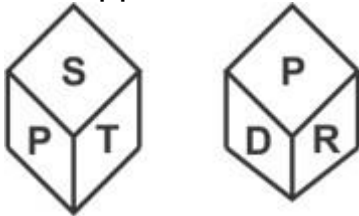
- a) Only conclusion II follows
- b) Conclusion I and II both follow
- c) Neither I nor II follow
- d) Only conclusion I follows

Correct Choice:b

Non- Verbal Reasoning

Topic - Cubes & Dices

22. Two position of a dice are given below. Find the letter on the opposite surface of 'R' ?



- a) S
- b) T
- c) D
- d) P

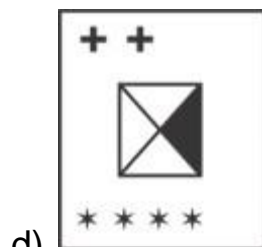
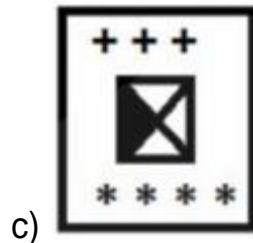
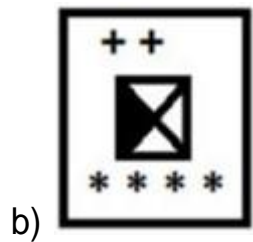
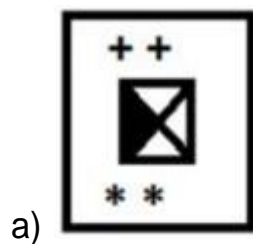
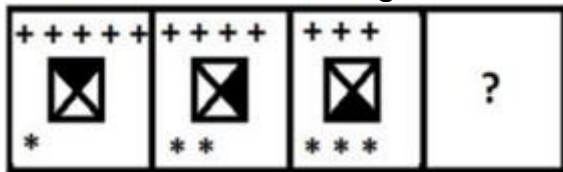
Correct Choice: c

Explanation:

P	S	T
P	R	D

Topic- choosing the Missing Figure in the Series

23. Select the figure that will come next in the following figure series.



Correct Choice: b

Topic – Spotting out the embedded figure

24. Select the option figure which contains figure X embedded in it as its part. (Rotation is not allowed)

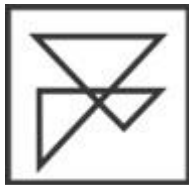
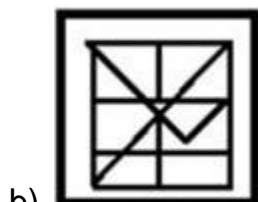
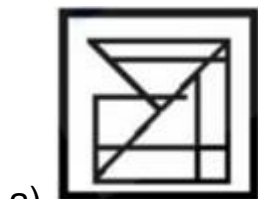


Figure-X



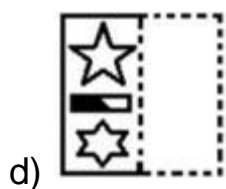
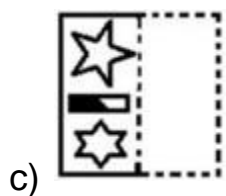
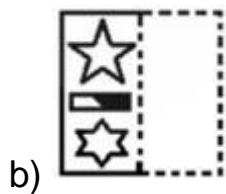
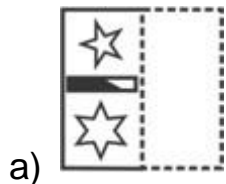
d)
Correct Choice: b

Topic - Paper Folding

25. A figure of transparent sheet with a pattern is given below.
Figure out from amongst the four options as to how the pattern would appear when the transparent sheet is folded at the dotted



line.



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Correct Choice: d

Topic – Odd Man Out

26. Four options have been given out of which three are alike in some manner, while one is different. Choose the odd one.

a) 209

b) 285

c) 119

d) 171

Correct Choice: c

Explanation:

except (c), all other are divisible by 19