

10

Practice Set

1. Read the given statements and conclusion carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion logically follow from the statements.

Statements :

All teachers are talented.

Some Boys are teachers.

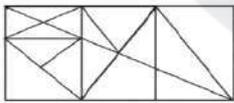
Conclusion :

I. Some Boys are talented

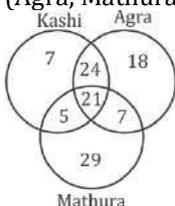
II. All talented are Boys

III. All Boys are talented

- (a) Only conclusion III follow
(b) Only conclusion II follow
(c) Only conclusion I follow
(d) Both conclusion I and II follow
2. Select the option in which the number one related in the same way as are the numbers of the following set.
(25, 20, 45)
(a) (36, 30, 54) (b) (49, 21, 63)
(c) (64, 32, 72) (d) (16, 16, 34)
3. Select the number from among the given options that can replace the question mark(?) in the following series.
49, 64, 86, 116, 155 ?
(a) 200 (b) 203
(c) 215 (d) 204
4. Select the option that is related to the third word in the same way as the second word is related to the first word.
Ambulant : Fugitive :: Slack : ?
(a) Gingerly (b) Alert
(c) heedful (d) Lax
5. How many triangles are there in the following figure?



- (a) 35 (b) 36
(c) 34 (d) 30
6. The following Venn diagram shows the number of families who have visited three different places (Agra, Mathura, Kashi)



What is the number of families who have visited at least two of the places out of Agra, Mathura and Kashi

(a) 53 (b) 57

(c) 49 (d) 69

7. Pointing to the photograph of a girl, Rajiv said, "She is my father's mother's daughter's only brother's daughter". How Rajiv's Father related to that girl's mother ?
(a) Son (b) Maternal uncle
(c) Husband (d) Father
8. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
- Sufferance
 - Sufferably
 - Sufferable
 - Suffer
 - Suffice
- (a) 4, 3, 2, 1, 5 (b) 4, 3, 2, 5, 1
(c) 3, 4, 2, 5, 4 (d) 5, 4, 3, 2, 1
9. Four number pair have been given, out of which three are alike in some manner and one is different. Select the number pair that is different.
(a) 2256 : 3824 (b) 3569 : 5137
(c) 1502 : 3070 (d) 1568 : 3218
10. Select the correct mirror image of the given combination when the mirror is placed to 'PQ' as shown



(a) 2 9 7 K C W

(b) 2 9 7 K W C

(c) 2 9 7 K C W

(d) 2 9 7 K C W

11. Select the option in which the words the same relationship as the shared by the given pair of words.

World cancer day : 4 February : ?

(a) World Education day : 24 January

(b) World Poverty day : 11 July

(c) World Population day : 17 October

(d) World migrant day : 20 December

12. Select the letter-cluster from among the given options that can replace question mark(?) in the following series

LIGHT, LIGHG, LIGSG, ? LRTSG, ORTSG.

(a) LITSH

(b) LITGS

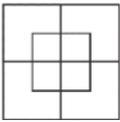
(c) LIISG

(d) LITSG

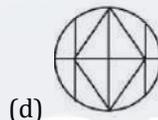
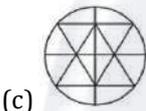
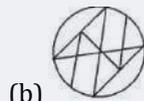
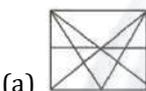
13. Four words have been given, out of which three are like in some manner and one is different. Select the word that is different.



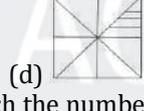
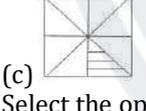
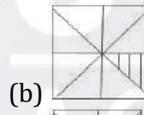
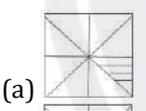
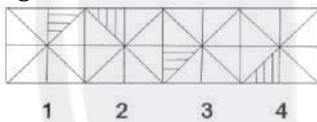
- (a) Animate (b) Energetic
(c) Mettlesome (d) Lethargic
14. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
(a) EJOT (b) CIOT
(c) XFIH (d) POLD
15. Find the number of Square in the given figure.



- (a) 12 (b) 10
(c) 15 (d) 8
16. Select the option in which the given figure is embedded. (Rotation is not allowed)



- (a) (b)
(c) (d)
17. Select the figure that will come next in the following figure series.



- (a) (b)
(c) (d)
18. Select the option in which the number one related in the same way as are the numbers of the following set.
(9, 36, 72)
(a) (8, 32, 72) (b) (7, 28, 63)
(c) (11, 44, 88) (d) (5, 20, 45)

19. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series

V _ _ B _ L _ E _ B _ L V E R _ A _

- (a) E A R V A R L B (b) E R A V R A B L
(c) L B A R V A R E (d) E R A V R B A L

20. P is a number which is multiplied by its next number, the product 552 is obtained. When number P is added to another number Q, a total of 88 is obtained. What would be the value of Q.

- (a) 70 (b) 65
(c) 63 (d) 71

21. Select the correct combination of mathematical signs that can sequentially replace the signs balance the given equations.

$14 * 36 * 3 * 95 * 70 * (7 * 2) * 268$

- (a) $\times, \div, -, +, \div, \times, =$ (b) $\div, \times, -, \div, =, \times, +$
(c) $\times, \div, +, +, \div, \times, =$ (d) $\div, \times, +, =, \div, -, \times$

22. A cube is made by folding the give sheet in the cube so formed, what would be the sign on the face opposite the face showing the sign # ?



- (a) * (b) \$
(c) = (d) ?

23. In a certain code language, 'CAT' is written 'E - YC - V' and 'COW' is coded as 'E - MQ - Y'. How will 'PUT' be written in that language.

- (a) R - SW - V (b) R - WS - U
(c) Q - TX - W (d) C - TV - W

24. In a certain code language, 'VERBAL' is coded as 102 and 'NEW' is coded as '39' How will 'SAFETY' be coded in that language ?

- (a) 90 (b) 86
(c) 88 (d) 84

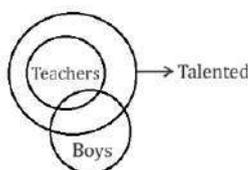
25. Select the option that is related to the third number in the same way as the second number is related to the first number.

$25 : 650 :: 27 : ?$

- (a) 759 (b) 745
(c) 654 (d) 754

Solutions

1. (c):



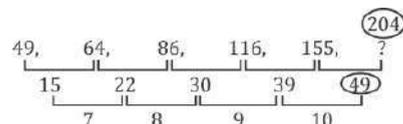
- I. ✓ II. × III. ×

2. (c): $(25, 20, 45) = 5 \times 5, 5 \times 4, 5 \times 9$

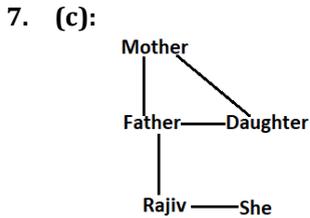
Similarly

$(64, 32, 72) = 8 \times 8, 8 \times 4, 8 \times 9$

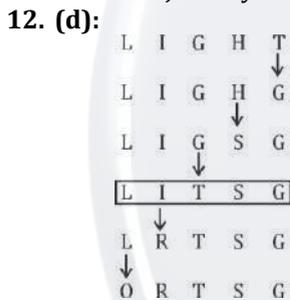
3. (d):



4. (d): Fugitive is synonyms of Ambulant.
Similarly, Lax is synonyms of Slack
5. (a):
6. (b): Total number of family who visited all the places = 111
No. of families who visited only one place = 54
No. of family who visited at least two places = $111 - 54 = 57$



8. (a):
9. (d): $3824 - 2256 = 1568$
 $5137 - 3569 = 1568$
 $3070 - 1502 = 1568$
 $3218 - 1568 = 1650$
10. (c):
11. (a): World cancer day is observed on 4th February every year.
Similarly, World Education Day is observed on 24th January every year.



One letter starting from the last letter of the word LIGHT is changed to its opposite letter in each step.

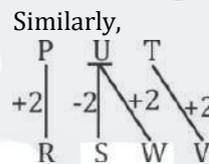
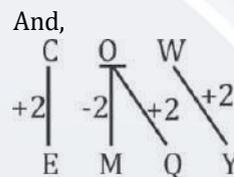
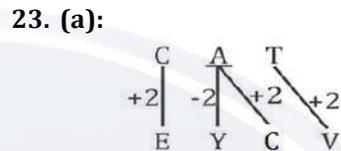
13. (d): Except Lethargic, All words are synonymous of each other.
14. (a): $EJOT = 5 + 10 + 15 + 20 = 50$
 $CIOT = 3 + 9 + 15 + 20 = 47$
 $XFIH = 24 + 6 + 9 + 8 = 47$
 $POLD = 16 + 15 + 12 + 4 = 47$

15. (b):
16. (c):
17. (a):
18. (c): $(9, 36, 72) = (9 \times 1, 9 \times 4, 9 \times 8)$
Similarly,
 $(11, 44, 88) = (11 \times 1, 11 \times 4, 11 \times 8)$
19. (b): V E R B A L / V E R B A L / V E R B A L
20. (b): A.T.Q.

$P \times (P + 1) = 552$
 $P^2 + P = 552$
By solving
 $P = 23$ and (-24)
 $P = 23$ (as P is Positive number)

And,
 $P + Q = 88$
 $Q = 65$
21. (c): $14 \times 36 \div 3 + 95 + 70 \div (7 \times 2) = 268$
 $14 \times 12 + 95 + 5 = 268$
 $168 + 95 + 5 = 268$
 $268 = 268$

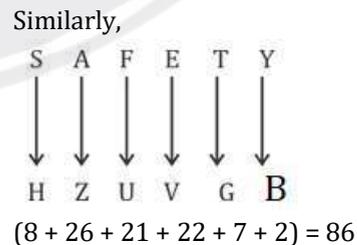
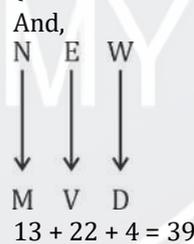
22. (b): $\$ \leftrightarrow \#$
 $@ \leftrightarrow ?$
 $* \leftrightarrow =$



24. (b):
- (opposite letter)
- ```

 V E R B A L
 ↓ ↓ ↓ ↓ ↓ ↓
 E V I Y Z O

```
- $(5 + 22 + 9 + 25 + 26 + 15) = 102$



25. (d):  $25 : 650 :: 27 : ?$   
 $(25)^2 = 25 \times 25 + 25 = 650$   
 $(27)^2 = 27 \times 27 + 25 = 754$

