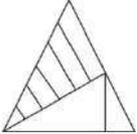


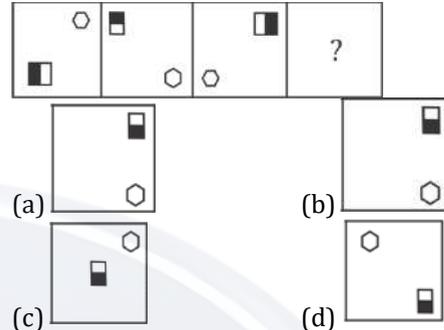
11

Practice Set

- Four words have been given out of which three are alike in some manner and one is different. Select the word that is different.
(a) Measles (b) Hepatitis
(c) Plague (d) Rubella
- How many triangles are there in the given figure?



- (a) 8 (b) 9
(c) 11 (d) 10
- Select the combination of letter that when sequentially placed in the blanks of the given series will complete the series.
I J _ M _ I _ Q M C _ J Q _ C I _ Q _ C
(a) Q C K M M M I (b) C Q K M I M M
(c) Q C J I M J M (d) Q K C I M M M
- In a certain code language, 'OM' is coded as '84' and 'PRIYA' is coded as '276'. How will 'SITA' be coded in that language?
(a) 249 (b) 245
(c) 240 (d) 250
- Select the letter-cluster from among the given options that can replace the question mark(?) in the following series
NBM, OBN, PBO, QBP, ?
(a) RBR (b) PBR
(c) PBQ (d) RBQ
- There are two couples in a family. Deepa has two children. Shelly is the wife of Romi, who is the brother of Shashank. Priya is the daughter of Deepa. Nitya is the sister of Ayush, who is the son of Romi. Tanish is the son of Shashank, who is a male. How is Shelly related to Deepa?
(a) Sister (b) Mother
(c) Aunt (d) Sister-in-law
- In a certain code language, 'ABROAD' is written as 'FWSNHW'. How will 'ACTIVE' be written in that code language?
(a) GWMPIR (b) GWMPIR
(c) GMWPRI (d) GMWRIP
- Select the number from among the given options that can replace the question mark(?) in the following series.
961, 1369, 1681, 1849, ?
(a) 2025 (b) 1764
(c) 2209 (d) 1936
- Select the figure among the given options that can replace the question mark(?) in the following series.



- Select the correct mirror image of the given combination when the mirror is placed at 'xy' as shown.
B Q 7 6 E r N u
(a) u N r E 6 7 Q B
(b) B Q 7 6 E r N u
(c) u N r E 6 7 Q B
(d) u N r E 6 7 Q B
- 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) LO (b) RI
(c) HS (d) NO
- Four number pairs have been given out of which three are alike in some manner and one is different select the number-pair that is different.
(a) (658, 361) (b) (923, 196)
(c) (831, 121) (d) (687, 441)
- Select the option in which the numbers are related in the same way as are the numbers of the following set.
(11, 100, 144)
(a) (15, 195, 256) (b) (17, 256, 324)
(c) (10, 81, 120) (d) (15, 225, 256)
- Select the option in which the words share the same relationship as that shared by the given pair of words.
Radha nagar beach: Andaman and Nicobar
(a) Kappad beach: Kerala
(b) Chandra bhag beach: Karnataka
(c) Golden beach: Punjab
(d) Bhogave beach: Goa
- Select the option that is related to the third word in the same way as the second word is related to the first word
Arachnophobia: Spiders :: Basiphobia: ?
(a) running (b) walking
(c) jumping (d) playing



16. Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

12: 100 :: ? : 144 :: 9: 49

- (a) 11 (b) 13
(c) 14 (d) 15

17. Select the correct combination of mathematical signs that can sequentially replace the * signs and make the equation correct.

$90 * 48 * 144 * 40 * 24 * 14$

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

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

13	69	100
7	13	36
11	?	102

- (a) 17 (b) 15
(c) 19 (d) 21

19. Three statements are given in the following questions, followed by three conclusions numbered I, II and III. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts.

Statements

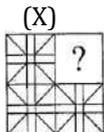
- All spoons are benches.
- Some benches are guitars.
- All guitars are kites.

Conclusions

- I. Some kites are spoons.
- II. Some kites are benches.
- III. Some guitars are spoons.

- (a) Only I follow
(b) Only II follows
(c) All follows
(d) None follows

20. Select a figure from amongst the four alternatives, which when placed in the blank space of figure (X) would complete the pattern.



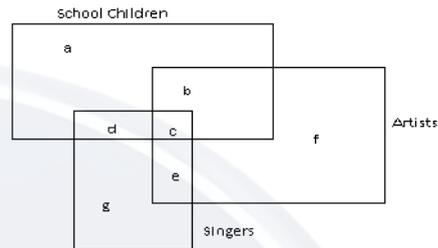
- (a) (b)
- (c) (d)

21. Arrange the given words in the sequence in which they occur in the dictionary.

- Ratio
- Raise
- Rapid
- Robin
- Royal

- (a) 2, 3, 1, 4, 5 (b) 3, 2, 5, 4, 1
(c) 2, 1, 4, 3, 5 (d) 2, 5, 4, 3, 1

22.



Above diagram represents school children, artists and singers. Study the diagram and identify the region which represents those school children who are artists and not singers.

- (a) a (b) b
(c) f (d) e

23. 5 years ago, my friend's age was 5 times my age. Now it is 3 times only. What is my friend's present age (in years)?

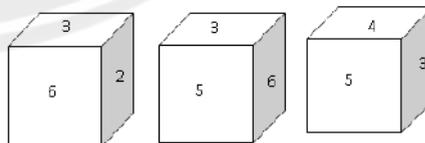
- (a) 30 (b) 25
(c) 20 (d) 15

24. Select the option in which the given figure is embedded. (Rotation is not allowed)



- (a) (b)
(c) (d)

25. What will be the digit opposite to 2?



- I II III
(a) 1 (b) 2
(c) 5 (d) 6

Solutions

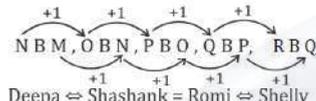
1. (c): Except plague, all diseases are caused by virus while plague is caused by bacteria.

2. (d):

3. (c): I J Q M C / I J Q M C / I J Q M C / I J Q M C

4. (b): $OM \rightarrow 15 + 13 \rightarrow 28 \times 3 = 84$
 PRIYA $\rightarrow 16 + 18 + 9 + 25 + 1 \rightarrow 68 \times 4 = 276$
 Similarly,
 SITA $\rightarrow 19 + 9 + 20 + 1 \rightarrow 49 \times 5 \rightarrow 245$

5. (d):

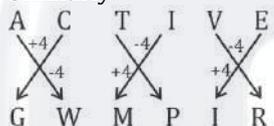


6. (d): Priya Tanish Nitya Ayush
 We clearly see from the above family tree that Deepa is the sister-in-law of Shelly.

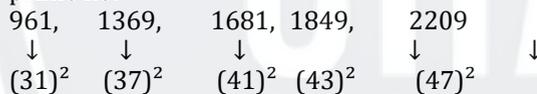
7. (b):



Similarly



8. (c): Here pattern follow is square of consecutive prime no.



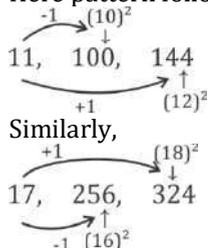
9. (d):

10. (a): Correct Mirror image in option (a)

11. (d): $\begin{matrix} L & \xleftrightarrow{\text{opposite}} & O \\ (12) & & (15) \\ R & \xleftrightarrow{\text{opposite}} & I \\ (18) & & (9) \\ H & \xleftrightarrow{\text{opposite}} & S \\ (8) & & (19) \\ N & \xleftrightarrow{\text{opposite}} & M \\ (14) & & (15) \end{matrix}$

12. (c): $6 + 5 + 8 = 19 \rightarrow 19^2 \rightarrow 361$
 $9 + 2 + 3 = 14 \rightarrow 14^2 \rightarrow 196$
 $8 + 3 + 1 = 12 \rightarrow 12^2 \rightarrow 144 \neq 121$
 $6 + 8 + 7 = 21 \rightarrow 21^2 \rightarrow 441$

13. (b): Here pattern follow is



14. (a): Above mentioned beaches are Blue flag certified

Kappad beach: Kerala

Chandra bhag beach: Odisha

Golden beach: Odisha

Bhogave beach: Maharashtra

Hence, option (a) is correct.

15. (b): Arachneophobia is the phobia of spiders

Similarly,

Basiphobia is the phobia of walking

16. (c): $12 - 2 = (10)^2 \rightarrow 100$

$14 - 2 = (12)^2 \rightarrow 144$

$9 - 2 = (7)^2 \rightarrow 49$

17. (a): $90 \times \frac{48}{144} = 40 - 24 + 14$

$30 = 30$

18. (c): Logic is

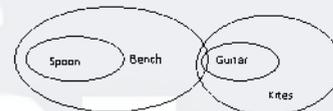
IIIrd number = (Ist number)² - IIInd number

$\rightarrow 100 = 169 - 69$

$\rightarrow 36 = 49 - 13$

$\rightarrow 102 = 121 - 19$

19. (b)



hence, option b is the correct answer.

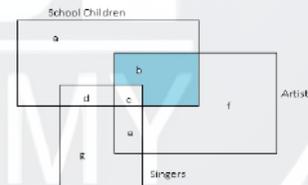
20. (d):

21. (a): The dictionary sequence is:

Raise \rightarrow Rapid \rightarrow Ratio \rightarrow Robin \rightarrow Royal.

Thus, 2, 3, 1, 4, 5 will be the correct sequence.

22. (b):



So, the region is b.

23. (a): Let my present age be "x" years and my friend's age be "y" years.

A.T.Q

$y = 3x$ (1)

5 years ago, the relation between their age would be:

$y - 5 = 5(x - 5)$ (2)

Putting the value of y from equation (1) in equation (2)

$3x - 5 = 5(x - 5)$

$3x - 5x = 5 - 25$

$x = 10$ years

present age of friend = $3x = 3 * 10 = 30$ years.

24. (c):

25. (c): From positions I and III, we found,

2 is opposite to 5, 6 is opposite to 4, whereas 3 is opposite to 1.