

04

Practice Set

1. Choose the correct alternative that will continue the same pattern and replace the question mark (?)
RE : 198 :: ST : ?

- (a) 90 (b) 56
(c) 59 (d) 62

2. Select the option that is related to the third word in the same way as the second word is related to the first word.

Scotophobia : Darkness :: Stygiophobia : ?

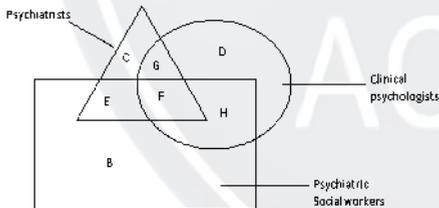
- (a) Heaven (b) Hell
(c) Stars (d) Speed

3. In the following questions, select the number which can be replaced the sign of the questions mark (?) from the given alternatives.

43	48	41
42	44	46
47	?	45

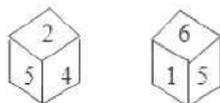
- (a) 46 (b) 40
(c) 49 (d) 45

4. In the given figure, which letter represents Psychiatrists who are Clinical Psychologists, but not Psychiatric Social Workers?



- (a) G (b) F
(c) H (d) E

5. Two positions of the same dice are given. Which number will be at the top if '6' is at the bottom?



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

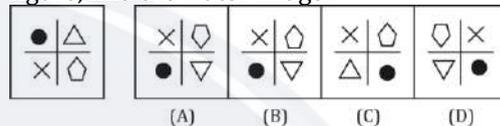
6. A set of sequence is given. Select the option which shows similar relationship.

AA23 : CC25 ; PP61 : RR63 ; TT52 : ?

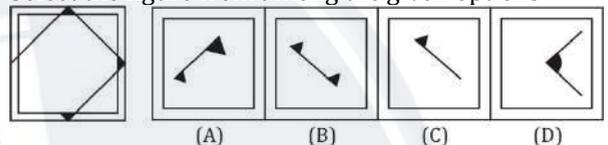
- (a) UV54 (b) VV51

- (c) UU53 (d) VV54

7. In the following figure there is a problem figure which is followed by four answer figures one of the answer figures is the water image of the problem figure, find the water image.



8. Select the figure from among the given options



9. In a certain code language, the word BREAKDOWN is written as DQGCJFQVP. How will the word MENSTRUAL be written in that code language?

- (a) ODP RVQWZN (b) ODP USTWZN
(c) OPD USTWZN (d) None of these

10. Pointing to Harbhajan, Sonakshi says, "He is the paternal grandfather of my eldest son Mukesh". How is Harbhajan related to Sonakshi?

- (a) Father (b) Uncle
(c) Brother - in - law (d) Father - in - law

11. In the following question, four words are alike in some manner, and make a group. Choose the one which does not fit in the given group.

- (a) 7200 (b) 5040
(c) 4032 (d) 5240

12. Which one set of letters when sequentially placed at the gaps in sequentially placed at the gaps in the given letter series shall complete it?

G_JG_IJGGI_GG_JG

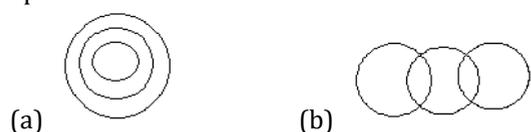
- (a) IGJI (b) GIGI
(c) IGIJ (d) GJGJ

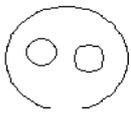
13. A set of sequence is given. Select the option which shows similar relationship.

5026 : 6205 ; 5197 : 7915 ; 8322 : ?

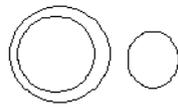
- (a) 2723 (b) 2328
(c) 2238 (d) 2732

14. Which one of the following represents Food, Curd, Spoons?





(d)



15. If signs '+' and '-' and numbers 4 and 8 interchange between each other, which one of the following four equations would be correct?

(a) $4-8+12=0$ (b) $8-4\div 12=8$
 (c) $4\div 8-12=16$ (d) $8\div 4-12=24$

16. 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

Some ear drops are eye drops.
 All ear drops are liquids.
 Some liquids are drinkable.

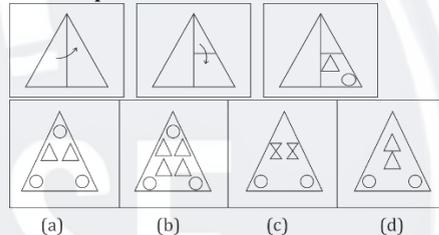
Conclusions

I. Some ear drops are drinkable.
 II. Some eye drops are drinkable
 III. All liquids are ear drops.

- (a) I and II follow
 (b) II and III follows
 (c) All follows
 (d) None follows
17. In the below question, a word has been given, followed by four other words, one of which cannot be formed by using the letters from the given word. Find that word.
 PORTFOLIO
 (a) RIFT (b) ROOF
 (c) FORT (d) PORTICO
18. Select the option in which the words share the same relationship as that shared by the given pair of words.
 Pigs : Oink
 (a) Parrots : Quack (b) Ducks : Buzz
 (c) Hares : Boom (d) Horses : Neigh
19. Complete the following series by replacing the question mark.
 TBLD, VEPI, XHTN, ?

(a) ZIVP (b) ZVJP
 (c) ZKXS (d) ZKXP

20. Select the odd pair from the given alternatives:
 (a) 15-36 (b) 26-64
 (c) 84-144 (d) 83-169
21. If Chirag's age is twice the average age of Akash, Balraj and Chirag. Akash's age is half the average of Akash, Balraj and Chirag and if Balraj is 5 years old, then find the average age of Akash, Balraj and Chirag:
 (a) 13 years (b) 10 years
 (c) 8 years (d) 11 years
22. Select the correct combination of mathematical signs to replace '*' signs and to balance the given equation.
 $24 * 34 * 2 * 5 * 12$
 (a) $\div \times =$ (b) $\times \div = +$
 (c) $= \div - +$ (d) $+ \div = \times$
23. DIRECTION- A piece of paper is folded and punched as shown below in the question figures. From the given answer figures. Indicate how it will appear when opened?



- (a) (b) (c) (d)
24. Select the option in which the numbers are related in the same way as are the numbers of the following set.
 (4.5, 20, 20.5)
 (a) 6, 17.5, 17 (b) 4.7, 5.9, 6.3
 (c) 5.5, 30, 30.5 (d) None of these
25. Arrange the following words as per order in the dictionary.
 1. Defect
 2. Defence
 3. Hawker
 4. Defensive
 (a) 1,2,4,3 (b) 3,1,2,4
 (c) 2,3,4,1 (d) 1,4,3,2

Solutions

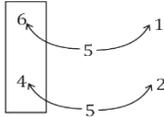
1. (b): R \rightarrow Reverse value $\rightarrow 27 - 18 = 9$
 E \rightarrow Reverse value $\rightarrow 27 - 5 = 22$
 RE = R * E = $9 * 22 = 198$
 Similarly,
 S \rightarrow Reverse value $\rightarrow 27 - 19 = 8$
 T \rightarrow Reverse value $\rightarrow 27 - 20 = 7$
 ST = $8 * 7 = 56$

2. (b): We know,
 Fear of Darkness is known as Scotophobia.
 Similarly, fear of Hell is known as Stygiophobia.
3. (b): All the rows add to 132
 $\rightarrow 43 + 48 + 41 = 132$
 $\rightarrow 42 + 44 + 46 = 132$
 $\rightarrow 47 + 40 + 45 = 132$



4. (a): G represents the psychiatrists who are clinical Psychologists but not Psychiatric Social Workers.

5. (d): In both dice no. 5 is common



6. (d): In each successive term of the different sections, the letters are changed to a letter occurring two places after in the alphabetical series, and the numbers are changed by adding two to them. A → C 23 → 25

Thus, the missing term should be:

T → V 52 → 54

Hence, the term is VV54.

7. (a):

8. (c):

9. (b): $B + 2 = D$ $M + 2 = O$

$R - 1 = Q$ $E - 1 = D$

$E + 2 = G$ $N + 2 = P$

$A + 2 = C$ $S + 2 = U$

$K - 1 = J$ $T - 1 = S$

$D + 2 = F$ $R + 2 = T$

$O + 2 = Q$ $U + 2 = W$

$W - 1 = V$ $A - 1 = Z$

$N + 2 = P$ $L + 2 = N$

Hence, option b is correct.

10. (d): Paternal grandfather of Sonakshi's son implies father of Sonakshi's husband i.e., Sonakshi's father - in - law.

11. (d): (a) $(7 + 2 + 0 + 0 = 9)$

(b) $(5 + 0 + 4 + 0 = 9)$

(c) $(4 + 0 + 3 + 2 = 9)$

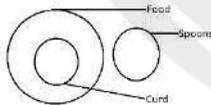
(d) $(5 + 2 + 4 + 0 = 11)$

12. (a): GJJG/GJJG/GJJG/GJJG

13. (c): In the given sequence the next term is found by reversing the first number.

Thus, the missing number should be 8322 → 2238.

14. (d):

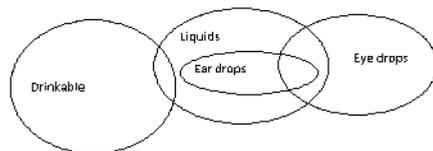


15. (a): On interchanging signs '+' and '-' and numbers 4 and 8 in option (a)

$$8 + 4 - 12 = 0$$

$$\Rightarrow 12 - 12 = 0 \Rightarrow 0 = 0$$

16. (d):



Clearly, none of the given conclusions follows.

17. (d): Except Portico, all other words can be formed by using the letters of Portfolio.

Hence, option d is the correct answer.

18. (d): Oink is the sound made by pigs. Similarly, Neigh is the sound made by Horses.

Hence, option d is the correct answer.

19. (c): Given series is: TBLD, VEPI, XHTN, ?
Now,

$$T + 2 = V, V + 2 = X, X + 2 = Z$$

$$B + 3 = E, E + 3 = H, H + 3 = K$$

$$L + 4 = P, P + 4 = T, T + 4 = X$$

$$D + 5 = I, I + 5 = N, N + 5 = S$$

Hence, the next term should be ZKXS.

20. (d):

15-36	$1 + 5 = 6 \rightarrow 6^2 = 36$
26-64	$2 + 6 = 8 \rightarrow 8^2 = 64$
84-144	$8 + 4 = 12 \rightarrow 12^2 = 144$
83-169	$8 + 3 = 11 \rightarrow 11^2 = 121$ instead of 169

Hence, '83-169' is odd one out.

21. (b): Suppose the average age of Akash, Balraj and Chirag is x. Then

Chirag's age = 2x

Akash's age = $\frac{x}{2} = 0.5x$

Balraj's age = 5 years

Now, A.T.Q

$$\text{or, } \frac{\text{Akash} + \text{Balraj} + \text{Chirag}}{3} = X$$

$$\text{or, } \frac{0.5x + 5 + 2x}{3} = x$$

$$\text{or, } 2.5x + 5 = 3x$$

$$\text{or, } 0.5x = 5$$

Therefore,

$$x = 10$$

Hence, the average age of Akash, Balraj and Chirag is 10 years.

22. (c): $24 = 34 \div 2 - 5 + 12$

$$24 = 17 - 5 + 12$$

$$24 = 29 - 5$$

$$24 = 24$$

23. (c):

24. (c): We know,

9, 40, 41 is a Pythagorean triplet

If we divide the triplet by 2 we get,

4.5, 20, 20.5

Similarly,

11, 60, 61 is also a Pythagorean triplet

If we divide the triplet by 2 we get,

5.5, 30, 30.5

Hence, option c is the correct answer.

25. (a): Defect, Defence, Defensive and Hawker is the correct sequence. Hence, option a is the correct answer.