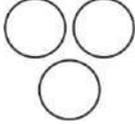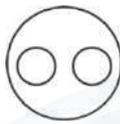# 06 Practice Set

1. Select the Venn diagram that best illustrates the relationship among following classes.
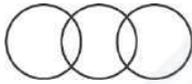
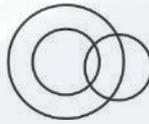   Utensil, Pressure Cooker, Bowl

   (a)

   (b)

   (c)

   (d)

2. Select the number from among the given options that can replace the question mark(?) in the following series.

   9, 17, 26, 38, 55, 79, 112, 156, ?

   (a) 219   (b) 198
   (c) 213   (d) 225

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

   HPN KUQ NZT QEW ?

   (a) TJV   (b) TJU
   (c) TJZ   (d) TJM

4. 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.

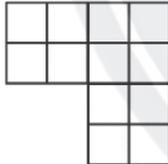   (a) FINL   (b) MNLB
   (c) PIHJ   (d) NGHL

5. Find number of squares in the given figure.

   (a) 20   (b) 18
   (c) 16   (d) 17

6. Select the letter from the given options that can replace the question mark (?) in the following series.

   F, I, K, N, P, ?

   (a) S   (b) T
   (c) U   (d) V

7. The present age of a mother is three times that of her elder daughter. Six years hence, the age of mother will be four time that of her younger daughter. If the difference between the present ages of the elder and younger child is 12 years, what is the present age of the mother ?
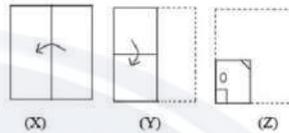
   (a) 90 years   (b) 95 years
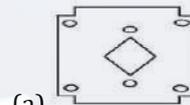   (c) 65 years   (d) 55 years

8. The sequence of folding a piece of square paper and the manner in which the folded paper has been cut is shown in the figures X. Y and Z. How would this paper look when unfolded?
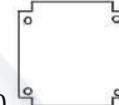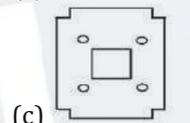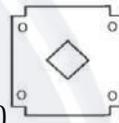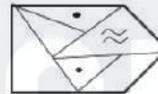
   (X) (Y) (Z)

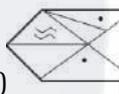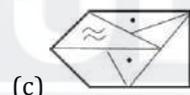   (a)

   (b)

   (c)

   (d)

9. Select the correct mirror image of the given figure when the mirror is placed on the right of the figure.
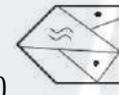
   (a)

   (b)

   (c)

   (d)

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

    14 : 252 : : 17 : ? : : 21 : 525

    (a) 257   (b) 573
    (c) 357   (d) 375

11. 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) Neigh   (b) Squawk
    (c) Coo   (d) Cub

12. Two different positions of the same dice are shown, the six faces of which are marked as PQ, TV, RS, CW, XY and DE. Select the word that will be on the face opposite to the face showing the word PQ.
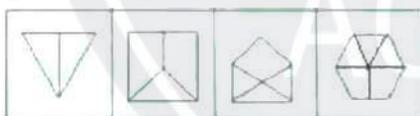
    (a) DE   (b) RS
    (c) TV   (d) CW

13. In a certain code language, 'MANISH' is coded as 320 and 'AJIT' is coded as 200.   How will 'PUNDIR' be coded in that language?
(a) 520   (b) 780
(c) 350   (d) 410

14. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
1. Unanimous   2. Umbrella
3. Ultimate   4. Unaltered
5. Umbilical
(a) 3, 5, 2, 4, 1   *(b) 3, 5, 2, 1, 4*
(c) 3, 5, 4, 2, 1   (d) 5, 2, 3, 4, 1

15. Select the option that is related to the third word in the same way as the second word is related to the firs word.
Nyctophobia : Dark :: Aquaphobia
(a) Width   (b) Water
(c) Loss   (d) Fall

16. In a certain language, 'MORBID' is written as 'INGWTR'. How will 'VASHU' so written in that language ?
(a) ZMXAF   (b) ZMXAE
(c) ZMXFA   (d) MZXAF

17. Four number – pairs have been given, out of which three are alike some manner and one is different. Select the number – pair that is different.
(a) 225 : 24   (b) 324 : 63
(c) 196 : 65   (d) 169 : 34

18. Introducing Vijay to a guest, 'Abhishek said, "He is the only son of my father's daughter – in – law." How is Abhishek related to Vijay?
(a) Paternal Grandfather
(b) Maternal Grandfather
(c) Brother
(d) Either Father or uncle.

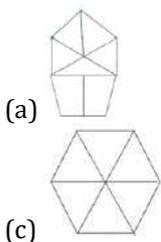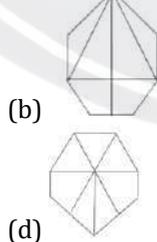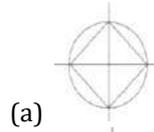**19.** Select the figure that will come next in the following figure series

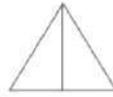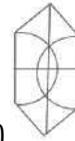**20.** Select the option in which the given figure is embedded.

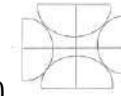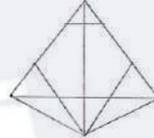**21.** How many triangles are there in the following figure?

(a) 30   (b) 26   (c) 28   (d) 24

22. Select option in which the words share the same relationship as that shared by the given pair word.
Vir Bhumi : Rajiv Gandhi
(a) Ray Ghat : Mahatma Gandhi
(b) Shanti Vana : Lal Bahadur Shastri
(c) Shakti Sthal : Sanjay Gandhi
(d) Vijay Ghat : Atal Bihari Vajpayee

23. Study the given pattern carefully and select the number that can replace the question mark(?) in it.
(a) 49   (b) 34
(c) 36   (d) 39

24. Two statements are given, followed by three conclusions numbered I, II, III, Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow (s) from the **statements.**
Statements -
All rice are curd.   All white are curd.
Conclusion -
I. Some rice are curd   II. Some curd are not rice
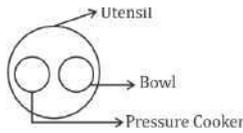III. Some curd are white
(a) All follows
(b) Only conclusion I & II follows
(c) Only conclusion III follows
(d) None follows

25. Radhika goes towards East from a point P and then turns left. She walks some distance then turns her right. Which direction is she facing now?
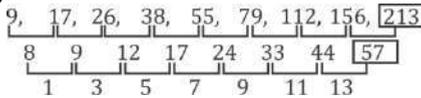(a) North   (b) East
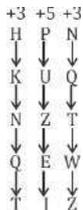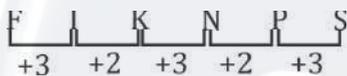(c) West   (d) South.

Solutions

1. (b):

2. (c):

9, 17, 26, 38, 55, 79, 112, 156, 213
8, 9, 12, 17, 24, 33, 44, 57
1, 3, 5, 7, 9, 11, 13

3. (c):

+3 +5 +3
H P N
K U Q
N Z T
Q E W
T J Z

4. (c):
(a) FINL ⟹ 6 + 9 + 14 + 12 = 41
(b) MNLB ⟹ 13 + 14 + 12 + 2 = 41
(c) PIHJ ⟹ 16 + 9 + 8 + 10 = 43
(d) NGHL ⟹ 14 + 7 + 8 + 12 = 41

5. (d):

6. (a):

F I K N P S
+3 +2 +3 +2 +3

7. (a): Let the Present age of Mother, elder daughter and young daughter be M, E and Y respectively.
Given,
$M = 3 \times E$ _____ (i)
6, years later
$M + 6 = 4(y + 6)$ _____ (ii)
Difference of age
$E - y = 12$
$E = 12 + y$ _____ (iii)
Put (iii) in (i)
$M = 3 \times (12 + y)$
$M = 36 + 3y$
$y = \left(\dfrac{M-36}{3}\right)$
Put, $y = \dfrac{M-36}{3}$ in (ii) Equation
$M + 6 = 4\left(\dfrac{M-36}{3} + 6\right)$
$3M + 18 = 4M - 72$
$M = 90$
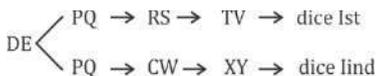Present age of mother = 90 years.

8. (d):
9. (d):
10. (c): Logic used.
$14 \Rightarrow (14 + 4) = 18 \times 14 = 252$
$21 \Rightarrow (21 + 4) = 25 \times 21 = 525$
Similarly,
$17 \Rightarrow (17 + 4) \Rightarrow 21 \times 17 = 357$

11. (d): 'Cub' is the child of Lion Rest are the sound of any animal or bird.

12. (a):

DE < PQ → RS → TV → dice Ist
PQ → CW → XY → dice IInd

13. (d): Logic used
MANISH ⟹ (13 + 1 + 14 + 9 + 19 + 8) × 5 = 320
AJIT ⟹ (1 + 10 + 9 + 20) × 5 = 200
Similarly,
PUNDIR ⟹ (16 + 21 + 14 + 4 + 9 + 18) × 5 = 410
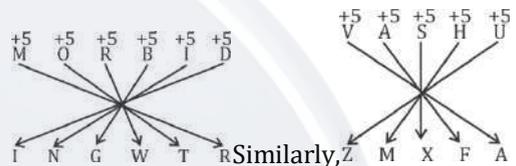
14. (a): 3. Ultimate
5. Umbilical
2. Umbrella
4. Unaltered
1. Unanimous

15. (b): Fear of Darkness is known Nyctophobia. Similarly, Fear of water is known as Aquaphobia.

16. (c):

+5 +5 +5 +5 +5 +5
M O R B I D
I N G W T R
Similarly,
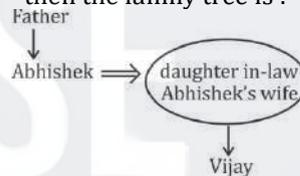+5 +5 +5 +5 +5
V A S H U
Z M X F A

17. (d):
(a) $225 = \sqrt{225} = 15 \Rightarrow 24 \div 15 = 9$ Remainder
(b) $324 = \sqrt{324} = 18 \Rightarrow 63 \div 18 = 9$ Remainder
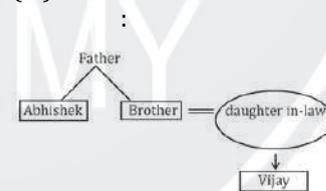(c) $196 = \sqrt{196} = 14 \Rightarrow 65 \div 14 = 9$ Remainder
(d) $169 = \sqrt{169} = 13 \Rightarrow 34 \div 13 = 8$ Remainder

18. (d): (1.) If Abhishek is the only son of his father, then the family tree is :

Father → Abhishek ⟹ daughter in-law Abhishek's wife → Vijay

Then, Abhishek is the father of Vijay.
(2.) If Abhishek has a brother, then family tree is :

Father → Abhishek, Brother = daughter in-law → Vijay

Then, Abhishek is the uncle of Vijay.

19. (b):   **20. (a):**   **21. (d):**

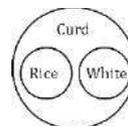**22. (a):** As Vir Bhumi related to Rajiv Gandhi, Similarly Raj Ghat related to Mahatma Gandhi.

23. (c): $22 - 16 = 6 = 6 \times 6 = 36$
$34 - 29 = 5 = 5 \times 5 = 25$
Similarly,
$9 - 3 = 6 = 6 \times 6 = 36$

24. (c):

25. (b):