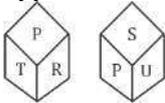## 13 Practice Set

1. Two different positions of the same dice are shown, the faces of which are marked with the letters P, Q, R, S, T and U. Select the letter that will be on the face opposite to the face having the letter U.

   (a) T
   (b) Q
   (c) S
   (d) P

2. Select the option in which the words share the same relationship as that shared by the given pair of words
   Fossils : Paleontology
   (a) Handwriting : Graphology
   (b) Soil : Ornithology
   (c) Earthquakes : Pomology
   (d) Human beings : Pedology

3. 'x + y' means 'x is the husband of y'
   'x % y' means 'x is the father of y'
   'x $ y' means 'x is the mother of y'
   If 'A + C $ E % G $ K + P' then which of the following statement is incorrect?
   (a) G is the mother–in–law of P.
   (b) E is the maternal grandfather of K.
   (c) E is the son of A
   (d) C is the maternal grandfather of G

4. 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.
   Statement :
   1. All Almira are Beds
   2. All Beds are pillows
   3. Some Beds are Bedsheet.
   Conclusion :
   I. All pillows are Almira.
   II. Some pillows are Almira.
   III. All Almira are Bedsheet.
   (a) Only conclusion II follows.
   (b) Neither conclusion II nor III follows.
   (c) Either conclusion I or III follows.
   (d) Both conclusion I and III follows.

5. Select the letter-cluster from among the given options that can replace question mark(?) in the following series
   OPQR, KTMV, GXIZ, CBED, ?
   (a) YFHA
   (b) YFHE
   (c) YFAH
   (d) YRAM

6. Select the number from among the given options that can replace the question mark(?) in the following series.
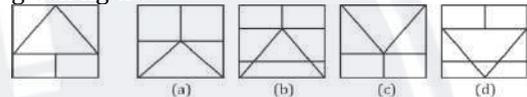   43, 46, 53, 66, ?, 114
   (a) 78
   (b) 85
   (c) 92
   (d) 102

7. 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 –
   37 : 6 : : 50 : ? : : 26 : 5
   (a) 7
   (b) 8
   (c) 6.5
   (d) 5.5

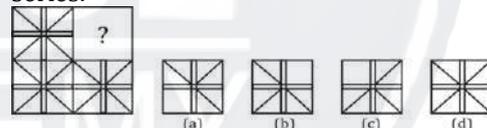8. Select the option figure that is embedded in the given figure

9. Select the option in which the number one is related in the same way as are the numbers of the following set.
   (9, 86, 734)
   (a) (8, 69, 517)
   (b) (5, 30, 125)
   (c) (7, 54, 345)
   (d) (4, 16, 64)

10. Select the figure among the given options that can replace the questions marks (?) in the following series.

11. Find the number of triangles in the given figure.

    (a) 12
    (b) 18
    (c) 10
    (d) 13

12. Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.
    (a) Lucknow
    (b) Jaipur
    (c) Gangtok
    (d) Ahmedabad

13. In a certain code language. "Horse" is coded as 125 and 'dog' is coded as 27. How will 'Elephant' be coded in that language
    (a) 512
    (b) 343
    (c) 506
    (d) 340

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

16	81	121
24	35	55
20	26	?

(a) 39   (b) 49
(c) 54   (d) 44

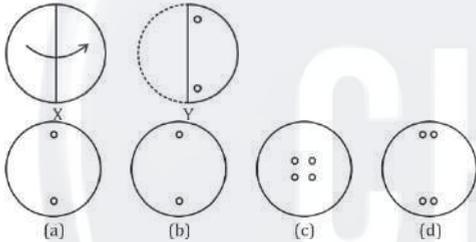**15.** Select the correct mirror image of the given combination when the mirror is placed to 'PQ' as shown

P
5312RS |
Q

(a) ƧЯƧ⊥R5   (b) ƧЯƧ1R5
(c) 5312RS   (d) ƧЯƧ1Ƨ5

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

Nascent : Mature : : Urgent

(a) Against   (b) Supportive
(c) Trivial   (d) Rigid

17. A piece of paper is folded and folded paper has been cut is shown. How would this paper look when unfolded?

18. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Acme   2. Audacious
3. Abdicate   4. Abscond
5. Assassinate   6. Amaze

(a) 3, 4, 1, 6, 2, 5   (b) 3, 4, 1, 6, 5, 2
(c) 3, 4, 1, 5, 6, 2   (d) 3, 4, 1, 2, 5, 6

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

65 * 13 * 15 * 3 * 42 * 8

(a) ÷, +, ×, -, =   (b) ÷, ×, +, -, =
(c) +, ÷, ×, -, =   (d) =, +, ×, ÷, -

20. Select the number – pair in which the two numbers share a different relationship from that shared by the two numbers in the rest of the number – pairs
(a) (135, 263)   (b) (25, 153)
(c) (67, 195)   (d) (98, 224)

21. Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series,
 A _ I M _ L A _ _ M A _ _ N _ M A L
(a) N, A, N, I, L, A, I   (b) N, A, N, I, L, I, A
(c) N, A, I, N, L, A, I   (d) N, A, I, N, I, L, A

22. Five letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter cluster.
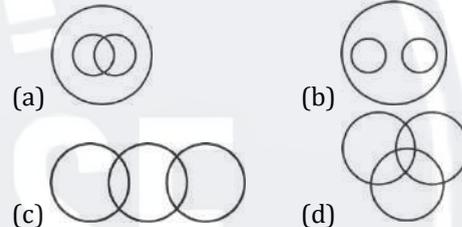(a) AIOUE   (b) BCDFX
(c) GHJKL   (d) MNPQR

23. What day of the week will be on the 29th of April, if 1st April is Monday?
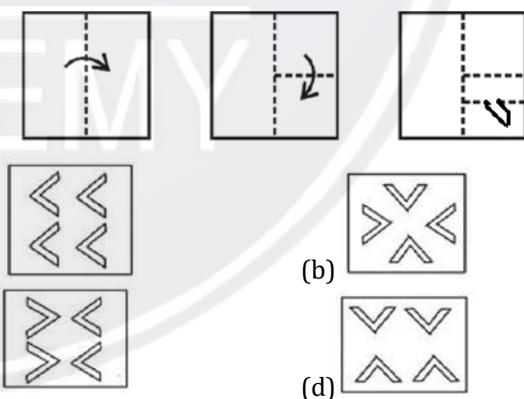(a) Friday   (b) Wednesday
(c) Monday   (d) Saturday

24. Select the Venn diagram that best illustrates the relationship among the following classes.
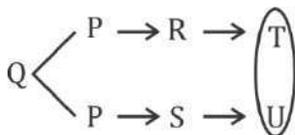Men, Father – in – law, Husband

25. The sequence of folding a piece of square paper and the manner in which the folded paper has been cut is shown. How would this paper look when unfolded?
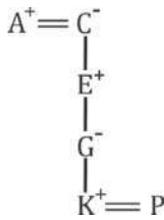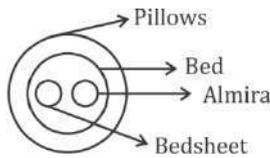

Solutions

1. (a):

2. (a): Study of fossils is known as Paleontology. Similarly, study of Handwriting known as Graphology
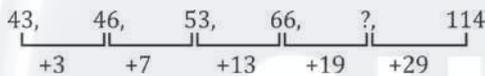
3. (d):

$$A^+ = C^-$$
$$|$$
$$E^+$$
$$|$$
$$G^-$$
$$|$$
$$K^+ = P$$

4. (a):

Pillows → Bed → Almira → Bedsheet

I. ×
II. ✓
III. ×

5. (c):

				-4	+4	-4	+4
O	P	Q	R	15	16	17	18
K	T	M	V	11	20	13	22
G	X	I	Z	7	24	9	26
C	B	E	D	3	2	5	4
Y	F	A	H	25	6	1	8

6. (b):

43, 46, 53, 66, ?, 114

+3 +7 +13 +19 +29

Prime No. at even position are added in sequence to get next term in the series.
2, 3, 5, 7, 11, 13, 17, 19, 23, 29

7. (a): $6^2 + 1 = 37$
$5^2 + 1 = 26$
$7^2 + 1 = 50$

8. (d):

9. (a): $9, 9^2 + 5, 9^3 + 5 = 9, 86, 734$
Similarly,
$8, 8^2 + 5, 8^3 + 5 = 8, 69, 517$

10. (d):

11. (a):

12. (d): Except for Ahmedabad all are the capital of any state of India.

13. (a): "Horse" is a word of five letters.
So, $(5)^3 = 125$
Dog is a word of 3 letter
So, $(3)^3 = 27$
Similarly,
Elephant is a worded Eight letter.
So, $(8)^3 = 512$

14. (d): Difference $= 24 - 20 = 4 = (4)^2 = 16$
Difference $= 35 - 26 = 9 = (9)^2 = 81$
Similarly, $= 55 - 44 = 11 = (11)^2 = 121$

15. (d):

16. (c): Nascent is Antonym of Mature, Similarly Urgent is Antonym of Trivial.

17. (d):

18. (b): 3. Abdicate
4. Abscond
1. Acme
6. Amaze
5. Assassinate
2. Audacious

19. (a): $65 \div 13 + 15 \times 3 - 42 = 8$
$5 + 45 - 42 = 8$
$8 = 8$

20. (d): $263 - 135 = 128$
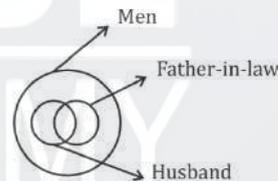$153 - 25 = 128$
$195 - 67 = 128$
$224 - 98 = 126$

21. (a): A N̲ I M A̲ L / A N̲ I̲ MA L̲ / A̲ N I̲ M A L

22. (a): All given alphabets are Vowels. (A, E, I, O, U)

23. (c): If 1st April is Monday, then 8th, 15th, 22nd and 29th of April will also be Monday.

24. (a):

Men → Father-in-law → Husband

25. (c):

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