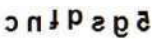
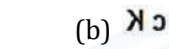
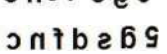
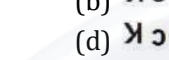
07 Practice Set

1. Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

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

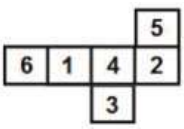
2. 'A % B' means 'A is the sister of B'.
'A $ B' means 'A is the brother of B'.
'A @ B' means 'A is the son of B'.
'A & B' means 'A is the mother of B'.
If 'R % T & Z $ S @ V @ C % Y', then which of the following statements is NOT correct?
(a) C is the paternal grandmother of Z.
(b) T is the mother of S.
(c) T is the daughter of C.
(d) V is the father of Z.

3. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
KMTC, EVOM, OQXG, IZSQ, ?
(a) TVBK (b) SUCL
(c) SUBK (d) SVCK

4. Select the option in which the two numbers are related in the same way as are the two numbers of the following number-pair.
14: 450
(a) 22: 490 (b) 31: 961
(c) 18: 722 (d) 30: 902

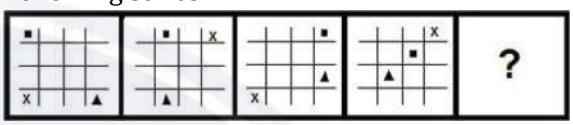
5. If 90% of a number is 621, what will be 50% of 20% of that number?
(a) 79 (b) 54
(c) 74 (d) 69

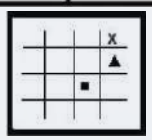
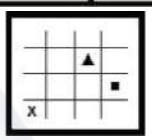
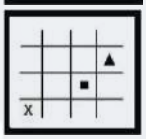
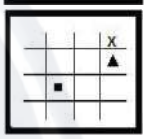
6. A cube is made by folding the given sheet. In the cube so formed, which number will be on the face opposite to the face having the number '1'?



(a) 2 (b) 3
(c) 4 (d) 6

7. Select eh figure from among the given options that can replace the question mark (?) in the following series.



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

8. Select the Venn diagram that best represents the relationship between the following.
Doctors, Married, Females
(a)
(b)
(c)
(d)

9. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.
(a) UFQ (b) YJB
(c) RCN (d) EPA

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

Statements: Some printers are colours.
No colours is a telephone.
All machines are telephones.

Conclusions: I. Some printers are machines.
II. No machine is a colours.

(a) Neither conclusion I nor II follows
(b) Both the conclusions follow
(c) Only conclusion II follows
(d) Only conclusion I follows

11. Select the number from among the given options that can replace the question mark (?) in the following series.
17, 16, 32, 29, 116, ?
(a) 121 (b) 71
(c) 111 (d) 81

12. Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
1. Junketeered 2. Junction
3. Junketers 4. Junketeering
5. Junctures
(a) 1, 4, 2, 3, 5 (b) 2, 5, 1, 4, 3
(c) 2, 5, 4, 3, 1 (d) 2, 5, 3, 1, 4

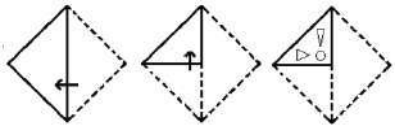
13. Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.
S P _ _ _ PS TS _ _ _ SP S _
(a) P S SP PSS (b) S TS P S TT
(c) T SS P T SS (d) P S T S P TT

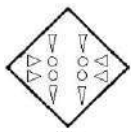
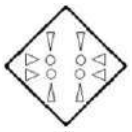
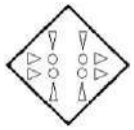
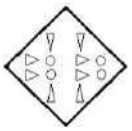
14. Select the option that is embedded in the given figure (X) (rotation is NOT allowed).

(X)

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

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



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

16. If 'A' denotes 'addition', 'B' denotes 'multiplication', 'C' denotes 'subtraction' and 'D' denotes 'division', then what will be the value of the following expression?
8 B (4 A 5) C (99 A 27) D 14 A 5 B (112 D 16)
(a) 107 (b) 98
(c) 116 (d) 85

17. In a certain code language, 'SANCTION' is written as 'TZOBUHPM'. How will 'TELEVISE' be written in that language?
(a) UDMDWHTD (b) UDNDWGTF
(c) UDMDUHTF (d) SFKGUHRD

18. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.
PDK : QFN :: SJQ : ?
(a) UNT (b) TMS
(c) ULS (d) TLT

19. In a certain code language, 'do or die' is written as 'su ru ko', 'let us do it' is written as 'ko mo vo zu' and 'this or that' is written as 'ga tu ru'. How will 'die' be written in that language?
(a) su (b) ku
(c) ru (d) ko

20. Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it.
6 18 42
5 15 ?
7 36 61
(a) 45 (b) 53
(c) 30 (d) 25

21. Reeta is standing facing south-east. First, she turns 135° clockwise. After that, she turns 90° anticlockwise. Then she turns 45° clockwise, followed by a 135° anticlockwise turn. In which direction is she facing now?
(a) North-east (b) South
(c) South-east (d) East

22. Select the number from among the given options that can replace the question mark (?) in the following series.
45, 68, 99, ?, 187, 246, 313
(a) 105 (b) 140
(c) 166 (d) 117

23. In a certain code language, 'TURKEY' is written as '76911525'. How will 'BREATH' be written in that language?
(a) 218526208 (b) 251841208
(c) 259221197 (d) 259221208

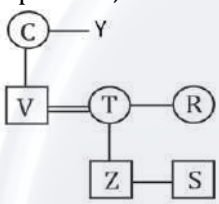
24. Which two signs should be interchanged to make the given equation correct?
32 + 24 × 4 ÷ 16 – 64 = 90
(a) ÷ and + (b) + and ×
(c) ÷ and × (d) + and –

25. Six houses, A, B, C, D, E and F, are situated in a colony. D is 60 m south of E. F is 40 m south of B. A is 30 m north of E. F is 50 m east of A. C is 50 m west of B. Find the location of C with reference to A.
(a) 40 m north (b) 30 m east
(c) 50 m north (d) 40 m south

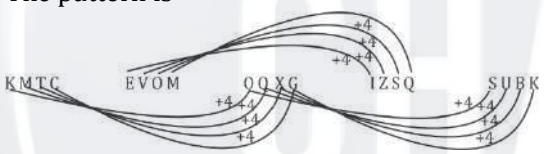
Solutions

1. (b):

2. (c): Options a, b and d are correct



3. (c): The pattern is



4. (c): $(14)^2 \times 2 + 14 \times 4 + 2 = 450$
Similarly
$(18)^2 \times 2 + 18 \times 4 + 2 = 722$
So, only option (c) follows the same logic

5. (d): Let number =x
90% of x = 621
then, $x = \frac{621 \times 100}{90} = 690$
A.T.Q,
50% of 20% of $x = 690 \times \frac{50}{100} \times \frac{20}{100} = 69$

6. (a): The focus of the cube will be in the below pattern.

$(One\ face) \rightarrow$	6	1	3
	↓	↓	↓
$(Opposite\ face) \rightarrow$	4	2	5

Hence option (a) is correct answer.

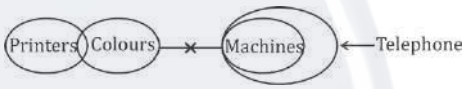
7. (c):

8. (a):

9. (b):

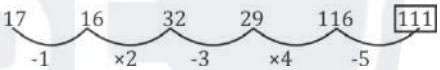
So, option (b) is not the same.

10. (c):



I. ×
II. ✓
Hence only conclusion II follows.

11. (c):



12. (b): 2,5,1,4,3

13. (b): S P **S T** / **S** P S T / S **P S T** / S P S **T**

14. (c):

15. (b):

16. (b): A.T.Q,
8× (4 + 5) – (99 + 27) ÷ 14 + 5× (112 ÷ 16)
= 8 × 9 - 9 + 5 × 7 = 72 – 9 + 35
= 63 + 35 = 98

17. (a):

S	A	N	C	T	I	O	N
+1↓	−1↓	+1↓	−1↓	+1↓	−1↓	+1↓	−1↓
T	Z	O	B	U	H	P	M

Similarly,

T	E	L	E	V	I	S	E
+1↓	−1↓	+1↓	−1↓	+1↓	−1↓	+1↓	−1↓
U	D	M	D	W	H	T	D

18. (d):

P	D	K	S	J	Q
+1↓	+2↓	+3↓	+1↓	+2↓	+3↓
Q	F	N	T	L	T

19. (a):

do or die Let us do it this or that

su ru ko ko mo vo zu ga tu ru

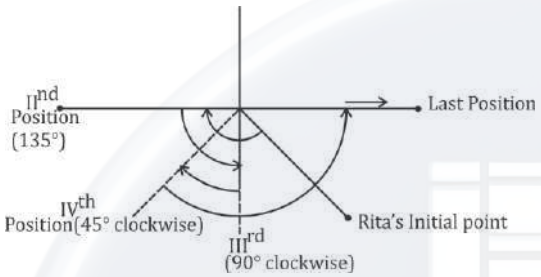
then, 'die' will be written as 'su'

20. (c): First row → $(6)^2 + \frac{18}{3} = 42$

Third row → $(7)^2 + \frac{36}{3} = 61$

Similarly, Second row → $(5)^2 + \frac{15}{3} = 30$

21. (d):



22. (b):

45 68 99 140 187 246 313

23 31 41 47 59 67

Here, the pattern follows every second prime number

23. (d):

T	*U*	*R*	*K*	*E*	*Y*
20	21	18	11	5	25
7	6	9	11	5	25
27	27	27			

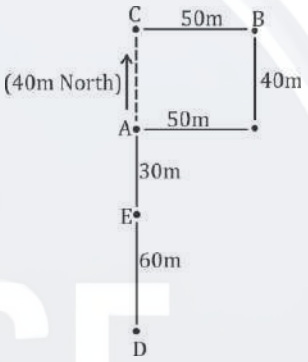
Similarly,

B	*R*	*E*	*A*	*T*	*H*
2	18	5	1	20	8
25	9	22	1	20	8
27	27	27			

24. (d): After changing '+' and '-'

$\Rightarrow 32 - 24 \times 4 \div 16 + 64$

$= 32 - 6 + 64$

$= 90$

25. (a):