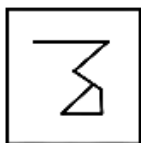
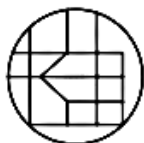
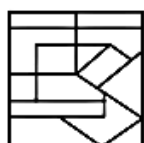
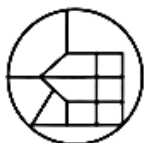
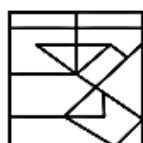
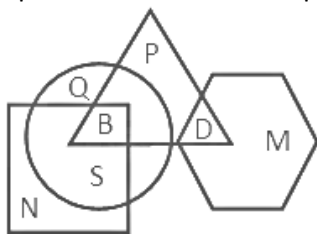


TOTAL QUESTIONS-5,
TIME – 10 MINUTES,
MARKS –5
REASONING

1. Select the option in which the given figure (X) is embedded (rotation is NOT allowed).


(X)

(a)

(b)

(c)

(d)

2. In a certain code language, "UNLEVEL" is written as "VPOISCK". How is "QUANTUM" written in that code language?
 a)RWDRQSL b)RVDSRSN c) SWESSVL d)SVDRSVN
3. 6 years ago Nandini was five times the age of her daughter. After 4 years the age of Nandini will be 5 years more than twice the age of her daughter, How old is Nandini today?
 a)33 b)36 c) 31 d)35
4. In the diagram given below, the circle represents a dog, triangle represents house, hexagon represents brown while square represents small.



Which of the following alphabet represents only a small dog house?

- a)N b)B c) S d)D
5. In the following alphabet series, a WRONG TERM is given. Find out the wrong term?
 NBCN, MCFO, KDIP, IELQ, HGOR, FIRS, DKUV
 a)KDIP b)MCFO c) FIRS d)DKUV
6. Select the term that will come next in the following series:
 MJC,OLE,QNG,SPI,?
 a) URK b) TSJ c) VSK d) TRJ

7. Choose the set of numbers that is similar to the following set.
 (7, 12, 20)
 a) (4, 6, 11) b) (2, 2, 5) c) (11, 14, 12) d) (9, 10, 19)
8. If SHEAR is coded as '81591' and SNIPE is coded as '51957', then how will 'SPICE' be coded as?
 a) 71953 b) 2345 c) 7654 d) 1357
9. Six boxes L, M, N, O, P and Q are kept in a horizontal line facing the north. L is kept immediately to the left of O. Three boxes are kept between N and P. P is kept at the second position from the end of the line. Q is kept immediately to the left of N. Which box is kept immediately to the left of P ?
 a) L b) M c) Q d) N

10. Five friends A, B, C, D and E like different laptops viz. Dell, Lenovo, Asus, Acer and Samsung not necessarily in the same order. C either like Acer or Asus. D like Dell. E neither like Lenovo nor Asus. B like Samsung. What does A like ?
- a) Samsung b) cer c) Asus d) Lenovo

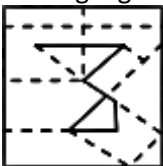
Answers Keys

- 1 D 6 A
 2 A 7 C
 3 C 8 A
 4 B 9 B
 5 D 10 D

Explanation

1. d;

The highlighted portion in the below given image represents the hidden figure:



Hence, **Option d** is correct.

2. a; "UNLEVEL" is coded as,

U	N	L	E	V	E	L
↓+1	↓+2	↓+3	↓+4	↓-3	↓-2	↓-1
V	P	O	I	S	C	K

Similarly, "QUANTUM" will be coded,

Q	U	A	N	T	U	M
↓+1	↓+2	↓+3	↓+4	↓-3	↓-2	↓-1
R	W	D	R	Q	S	L

Hence, "QUANTUM" will be coded as "RWDRQSL".

3. c; Let the present age of Nandini be x and her daughter of y.

6 years ago

$$\rightarrow x - 6 = 5(y - 6)$$

$$\rightarrow x - 6 = 5y - 30$$

$$5y - x = 24 \dots (i)$$

After 4 years

$$\rightarrow x + 4 = 2(y + 4) + 5$$

$$\rightarrow x + 4 = 2y + 8 + 5$$

$$\rightarrow x - 2y = 9 \dots (ii)$$

from (i) and (ii)

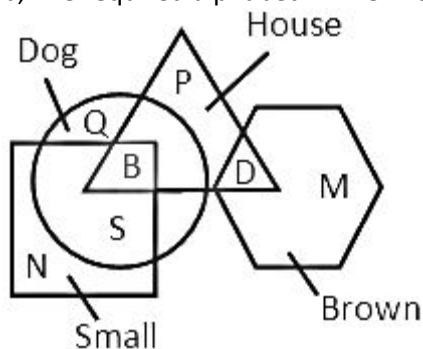
$$\rightarrow (5y - x = 24) \times 2 ; (x - 2y = 9) \times 5$$

$$\rightarrow 10y - 2x = 48 ; -10y + 5x = 45$$

$$\rightarrow 3x = 93 ; x = 31;$$

Hence, Nandini is 31 years old today.

4. b; The required alphabet will lie in the region of intersection of the triangle, square and circle only.



Hence, "B" is the correct answer.

5. d;
The pattern is as follows,

$$\begin{array}{cccccccc}
 N & \xrightarrow{-1} & M & \xrightarrow{-2} & K & \xrightarrow{-2} & I & \xrightarrow{-1} & H & \xrightarrow{-2} & F & \xrightarrow{-2} & D \\
 B & \xrightarrow{+1} & C & \xrightarrow{+1} & D & \xrightarrow{+1} & E & \xrightarrow{+2} & G & \xrightarrow{+2} & I & \xrightarrow{+2} & K \\
 C & \xrightarrow{+3} & F & \xrightarrow{+3} & I & \xrightarrow{+3} & L & \xrightarrow{+3} & O & \xrightarrow{+3} & R & \xrightarrow{+3} & U \\
 N & \xrightarrow{+1} & O & \xrightarrow{+1} & P & \xrightarrow{+1} & Q & \xrightarrow{+1} & R & \xrightarrow{+1} & S & \xrightarrow{+1} & T
 \end{array}$$

It should be 'DKUT' instead of 'DKUV'.

Hence, wrong term is DKUV.

6. a;
 $M+2=O$ $O+2=Q$ $Q+2=S$ $S+2=U$
 $J+2=L$ $L+2=N$ $N+2=P$ $P+2=R$
 $C+2=E$ $E+2=G$ $G+2=I$ $I+2=K$

7. c;
 Second number - first number = third number X 4
 $12 - 7 = 20/4 = 5$
 This doesn't follow in options except option (c).
 $14 - 11 = 3$ and $3 \times 4 = 12$

8. a;
- | | | | | | |
|---------|---------------|---------------|---------|---------------|---------------|
| Letters | S | H | E | A | R |
| Ranks | 19 | 08 | 05 | 01 | 18 |
| | 19 | 08 | | 01 | 18 |
| | 08 | 19 | 05 | 18 | 01 |
| | = 1 + 9 | | = 1 + 8 | | |
| | = 10 | | = 9 | | |
| | = 1 + 0 | | | | |
| | = 1 | | | | |
| Code | 81591 | | | | |
- Again,

Letters	S	N	I	P	E
Ranks	19	14	09	16	05
	19	14		16	05
	14	19	09	05	16
	= 1+4	= 1+9		= 1+6	
	= 5	= 10		= 7	
		= 1+0			
		= 1			

Code 51957

Similarly, SPICE will be coded as:

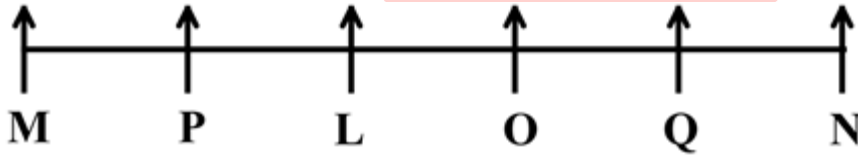
Letters	S	P	I	C	E
Ranks	19	16	09	3	05
	19	16		3	05
	16	19	09	05	03
	= 1+6	= 1+9			
	= 7	= 10			
		= 1+0			
		= 1			

Code 71953

9.

b;

The final arrangement is,



Here, box M is kept immediately to the left of P.

10. d;

The final arrangement is,

A	Lenovo
B	Samsung
C	Asus
D	Dell
E	Acer

Here, A likes Lenovo.

ALL THE POWER IS WITHIN YOU; YOU CAN DO ANYTHING AND EVERYTHING BELIEVE IN THAT; DON'T BELIEVE THAT YOU ARE WEAK. STAND UP AND EXPRESS THE DIVINITY WITHIN YOU"
