ST OLAVES : HOMEWORK 6

Question No	Answer	Question No	Answer
1	C	24	3, 9
2	D	25	10, 20, 30
3	B	26	C
4	C	27	A
5	D	28	A
6	C	29	B
7	C	30	A
8	E	31	A
9	A	32	E
10	D	33	B
11	BD	34	D
12	CE	35	B
13	C	36	B
14	11	37	D
15	D	38	C
16	B	39	E
17	2, 5, 7	40	A
18	60	41	D
19	3	42	C
20	28	43	B
21	3, 5, 19	44	A
22	567890	45	B
23	18		

NVR

36.

Explanation 1

In this series the 1st, 3rd and 5th object consist of a square that has 4 lines moving towards each other creating eventually an X. In the 2nd and 4th square the lines are moving towards each other as well, expected to form a diamond in the 6th missing object.

The answer is B 

The 5th option is not correct since, as the X show us, the lines do not overlap.

37.

Explanation 2

Each of the objects in the series consists of triangles and circles. Each object has either 1 triangle and 2 circles or 2 triangles and 1 circle – and these alternate. In addition whenever there are 2 triangles or circles in an object one of them is black and the other white. Since the 4th object consists of 2 circles and a triangle the missing object in the series should consist of 2 triangles (one black and one white) and a circle (options 2 and 4 only). Further, the black shape in each object moves in clockwise direction between objects therefore the black triangle in the missing object should be in the bottom spot.

The answer is D 

38.

Explanation 3

The series consists of squares with three lines in them – one straight line and two diagonals. The diagonal at the top in the first object moves in clockwise direction every other object, the straight line flips between horizontal and vertical positions and the second diagonal flips between opposite corners – the bottom right and the top left hand corner. In the missing object the two diagonals coincide.

The answer is C 

39.

Explanation 4

This series consists of three geometric shapes – a circle, a diamond and a square. Each of the shapes appears twice in a row. Within each of these shapes a smaller black geometric shape appears – a diamond, a circle and a square and these to, appear twice in a row. We can already determine that the missing object should be a square with a black square in it – only one answer option matches this criteria (so we do not need to work out the movement of the small line on the outside as well in order to determine the answer).

The answer is E 

40.

Explanation 5

The series consists of squares divided into a grid of 4 squares. In the top left hand square there is a black triangle that moves between the corners clockwise and upon doing so increases and decreases in size alternately. In the top right hand square a line-patterned triangle moves between the corners anti-clockwise and similarly changes size. Upon completing a full cycle (i.e. each triangle has moved between all four corners of a square) the triangles move to the two bottom squares and each triangle maintains the direction of movement (i.e. black triangle clockwise and line-patterned triangle anti-clockwise).

The answer is A 

41.

Explanation 6

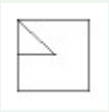
This series consists of open circles and open squares. Notice that the first and last items are identical. This means that the next item in the series should be identical to the second item in the series.

The answer is D 

42.

Explanation 7

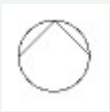
The series consists of objects that have a short and long line in them resembling a clock. Each of the lines moves 90 degrees clockwise every other object and they alternate between them. So, when the short line moves the long one doesn't and vice versa. In the missing object the short line should move 90 degrees clockwise and the long line should remain as is.

The answer is C 

43.

Explanation 8

This series consists of two types of diagrams. The first is a circle with two parallel lines inside it, and the second is a circle with two lines that form a 90 degree angle. These two types of diagrams alternate. This means that the next diagram in the series should be a circle with two lines in it, forming a 90 degrees angle. The two lines forming the 90 degree angle move in a clockwise direction (90 degrees each time).

The answer is B 

44.

Explanation 9

Imagine a series of shapes moving from left to right through a square window. Each object reveals an additional part of the shape whilst another part which has moved across the window disappears. Following this logic the next shape to appear in the window should either be blank or a tip emerging from the left – which is the only available option.

The answer is A

45.

Explanation 10

Imagine that the objects in the first square move one step to the left and a new object enters from the right. In the missing diagram, the triangle on the bottom left-hand side of the 5th diagram should move out and the triangle and the square behind it should move one step to the left. An additional shape (unknown) should enter from the right.

The answer is B