Year	Questions	Marks
2012	20	20
2013	20	20
2014	15	15
2015	15	15
2016	15	15
Total	**85**	**85**

1. In the question, some letters are given which are numbered 1, 2, 3, 4 and 5. Below are given four option containing combinations of these numbers. Find that combination of numbers so that letters arranged accordingly form a meaningful word. [2012]

A	R	E	G	R
1	2	3	4	5

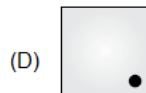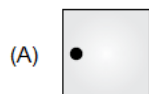(A) 5, 4, 3, 1, 2　　　(B) 5, 1, 4, 3, 2　　　(C) 4, 5, 1, 3, 2　　　(D) 2, 4, 3, 5, 1

Ans: B
Solution: R A G E R

2. Priya remembers that she saw her maternal aunt on Friday after 23rd of a month.
If 6th that month fall on Sunday, then on what day of the week did she meet? [2013]

(A) 24th　　　(B) 25th　　　(C) 27th　　　(D) 29th

Ans: B

3. Find the missing figure in the given pattern. [2014]

Ans: C

4. Find the missing number, if same rule is followed row-wise or column-wise. [2015]

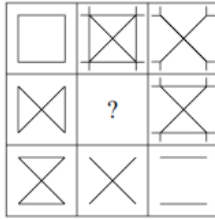| 2	4	0
1	2	4
3	1	3
36	?	91

(A) 25　　　(B) 48　　　(C) 59　　　(D) 73

Ans: D
Solution: Cube the second column: $4^3 + 2^3 + 1^3 = 73$

5. Select a figure from the options which will complete the given figure matrix.   [2016]

(A)

(B)

(C)

(D)

Ans: B

Solution: Option B figure is correct option

6. in the given arrangement, how many such symbols are there, each of which is preceded by a letter which is from the first the half of the English alphabet and followed by a digit?   [2012]

9 V @ S 2 G R A ⬜ 3 Q £ B Z 7 C Y Δ T 4 8 P F 6 @ $ 5 E H B K δ

(A) 2   (B) 4   (C) 3   (D) 1
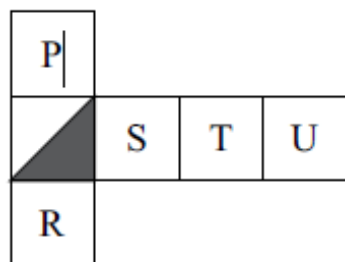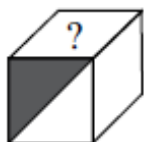
Ans: D

Solution: A ⬜ 3 is the only symbol satisfying the given condition, preceded by a letter from the first half of the alphabets, followed by a number.

7. Beena, who is Garima's daughter, says to Latika, 'your mother Aashka is the younger sister of my mother, who is the third child of Rajeev'. How is Rajeev related to Latika?   [2013]
   (A) Brother   (B) Uncle   (C) Maternal grandfather   (D) Father

Ans: C

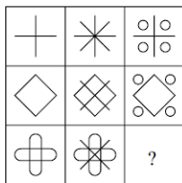8. A cube and its net are given below. Identify the letter on the top of the cube.   [2014]

(A) S   (B) T   (C) U   (D) R

Ans: D

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9. Which of the following options will complete the given figure matrix? [2015]

(A)

(B)

(C)

(D)

Ans: B

Solution: The last column consists of four small circles on the corners; hence (B) should be an option.

10. Ajay runs 30 m towards East, turns right and runs 20 m. He turns right and runs 8 m. He again turns left and runs 6 m and then turns left and runs 15 m. Finally he turns left and runs 7 m.
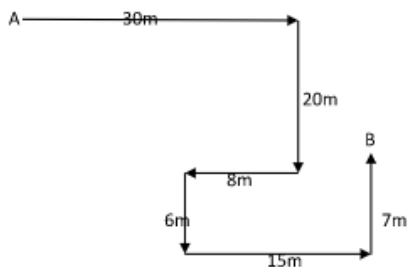In which direction is he facing now? [2016]
(A) North   (B) North-East   (C) East   (D) West
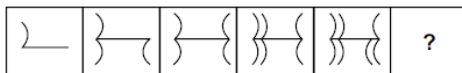
Ans: A

Solution: Following path is travelled:

(A) North direction

11. Find the figure from the option which will continue the series established by the problem Figures. [2012]

Problem Figures

(A)   (B)   (C)   (D)
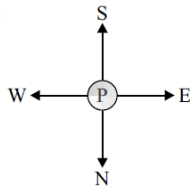
Ans: B

12. Which of the following options has the same relationship as that of MJ : QN? [2013]
(A) PK : NP   (B) RL : OP   (C) BR : FV   (D) EF : IM

Ans: C

13. If Armaan is facing South-east of P after turning 135° clockwise, Then he was facing _____ at first. [2014]

(A) North   (B) North-west   (C) West   (D) North-east

Ans: C

Solution: The current position of Armaan is in the direction of south-east. He has reached in this direction by moving 135° in the clock wise direction. To find his previous position, we need to move 135° in anti-clock wise direction. Therefore his previous position was in the direction of west.
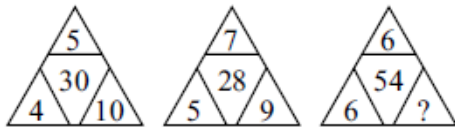
14. Count the number of cubes in the given figure. [2015]
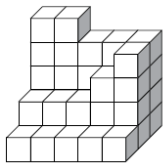
(A) 20   (B) 35   (C) 40   (D) 38

Ans: C

Solution: Lower Base 15 + 2nd upper base 10 + 7 + 8 = 40

15. Find the missing number, if same rule is followed in all three figures. [2016]

(A) 38   (B) 36   (C) 12   (D) 15

Ans: D

16. If Z = 52 and ACT = 48 then BAT =? [2012]

(A) 39   (B) 41   (C) 44   (D) 46

Ans: D

Solution:

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

Considering the position of the letters, given, Z = 52 = 2x (26)
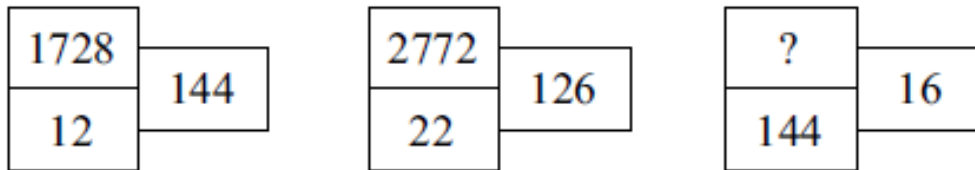
Now, ACT = 48 = 2x {(1) + (3) + (20)}

Hence, BAT = 2x {(2) + (1) + (20)} = 46

17. How many such pairs of letters are there in the word 'DISTURBANCE' which has as many letters between them as there are in English alphabets? [2013]
   (A) 6   (B) 5   (C) 8   (D) 7

   Ans: A

18. If the figures having some characters given below follow the same rule, then find the missing number from the options. [2014]

1728	144
12	

2772	126
22	

?	16
144	

   (A) 1304   (B) 2304   (C) 2034   (D) 1034

   Ans: B
   Solution: In the first and second figures, it was given that Dividend = Divisor × Quotient + Remainder. So in the 3rd figure we get Dividend by multiplying Divisor and Quotient, i.e. 144 × 16 = 2304.
   Option B is the correct answer.

19. Which of the following letter should come next in the given letter sequence? [2015]
   M M P M P T M P T R M P T R W M P T R W K M P ?
   (A) P   (B) W   (C) R   (D) T

   Ans: D
   Solution: After every P, T starts. So T is the answer. (D)

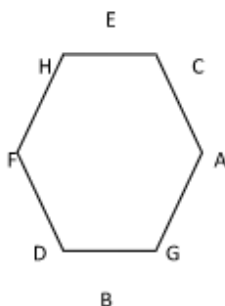20. Eight friends A, B, C, D, E, F, G and H are sitting in a circle facing the centre. [2016]
   (i) A, who is sitting immediately between G and C, is just opposite to F.
   (ii) E, who is sitting immediately between H and C is second to the of A and second to the left of F.
   (iii) D is sitting second to the left of G.
   Who is sitting between D and G?
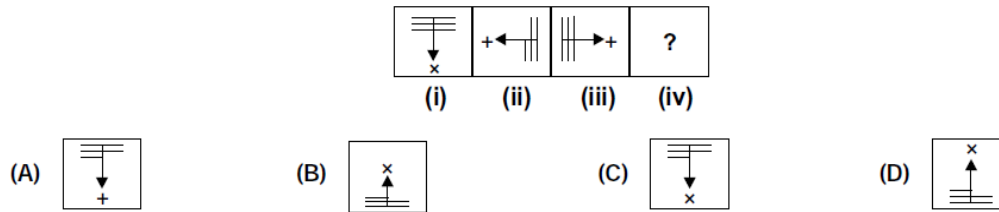   (A) A   (B) B   (C) F   (D) E

   Ans: B
   Solution:

21. The given question consists figures (i), (ii), (iii) and (iv). There is a definite relationship between figures (i) and (ii). Establish a similar relationship between figures (iii) and (iv) by selecting a suitable figure from the options that would replace (?) in figure (iv). [2012]

(i)   (ii)   (iii)   (iv)

(A)   (B)   (C)   (D)

Ans: C
Solution: Observing the pattern, there is a rotation of 90° clockwise.
Also, the symbol alternates accordingly,
Therefore, (C) is the pattern fitting in.

22. Mohit, Nitin and Raj play cricket, hockey and football, Mohit, Nitin and Tarun play cricket, football and volleyball. Mohit, Raj, Sumit and Nitin play cricket & hockey, which game is played by all the boys? [2013]
(A) Hockey   (B) Cricket   (C) Football   (D) Volleyball

Ans: B

23. Arrange the given below words in the order as in a dictionary. [2014]
(i) Mercury   (ii) Showroom   (iii) Rice   (iv) Petrol   (v) Oranges
(A) (i), (v), (iv), (ii), (iii)   (B) (i), (iv), (v), (iii), (ii)
(C) (i), (v), (iv), (iii), (ii)   (D) (ii), (iii), (iv), (v), (i)

Ans: C
Solution: As per the dictionary order, given words will be arranged as Mercury, oranges, Petrol, Rice and Showroom

24. Kunal faces towards North. Turning to his right, he walks 25 meters. He then to his left and walks 30 metres. Next, he move 25 meters to his right. He then turns to his right again and walks 55 meters. Finally, he turns to the right and moves 40 m. In which direction is he now from his starting point? [2015]
(A) South-West   (B) South   (C) North-West   (D) South-East

Ans: D
Solution: He is in south east from starting point.

25. Count the number of cubes in the given figure. [2016]
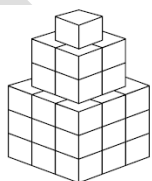
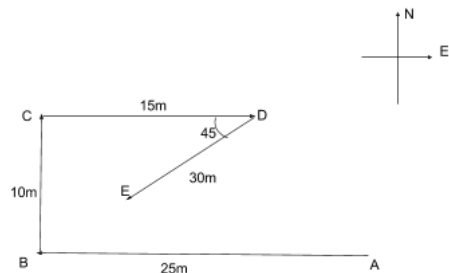

(A) 35   (B) 36   (C) 26   (D) 34

Ans: B
Solution: Number of cubes = 27 + 8 + 1 = 36

26. P started from his house towards West. After walking a distance of 25 m, he turned to the right and walking 10 m. He then again turned to the right and walking 15 m.
    After this he has to turn to his right at 135° and to cover 30 m. In which direction should he go?   [2012]
    (A) West   (B) South   (C) South-West   (D) South-East
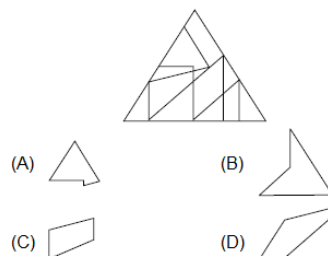
Ans: C
Solution:

As per the given conditions, the above diagram explains the movement of P, starting from A till E. Therefore, his final direction of movement is South-West.

27. Which of the following is the mirror image of the given word, if the mirror is placed vertically to the left?
                                      2 R E A S O N I N G 7   [2013]

Ans: B

28. Select the figure from the options which is not exactly embedded as one of the part in the given figure.
                                                                                  [2014]

Ans: C

29. In a certain code language, CHEMISTRY is written as NFIDITUSZ.
    How is BEANSTOCK written in that language?   [2015]

Ans: C
Solution: The code is obtained by reversing the first four letters and then moving the first four letters one step forward, keeping the 5th letter intact, and moving the next 4 letters on step forward. Accordingly, BEANSTOCK may he coded as OBFCSUPDL.

30. In a certain code language, '315' means 'good sweet fruit', '632' means 'good red rose' and '295' means 'rose and fruit'. Which of the following stands for 'fruit' in that language?   [2016]

   (A) 1   (B) 5   (C) 3   (D) 2

Ans: B

Solution: Good sweet fruit = 315 and rose and fruit = 295
Here, we have "fruit" & "S" In common, so fruit = 5.

31. Find the wrong term in the series given below.   [2012]

                     440, 420, 399, 378, 354

   (A) 420   (B) 378   (C) 354   (D) 399

Ans: B

Solution: 440 - 20 = 420; 420 – 21 = 399; so, 399 – 22 = 377 (not378)

32. The opposite faces of a cube are as shown: [2013]

   Which of the following options represents the unfolded cube?

   (A)   (B)

   (C)   (D)
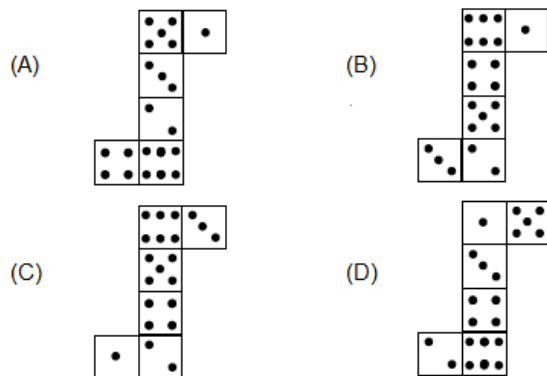
   Ans: C

33. Which of the following is the correct mirror image of Figure (X), if the mirror is placed vertically to the left?   [2014]

   Figure. (X)

   (A)   (B)

   (C)   (D)
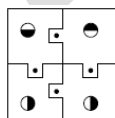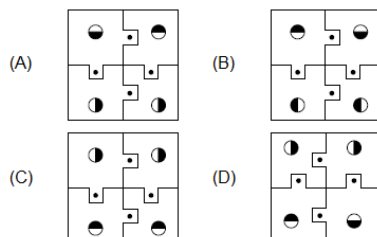
   Ans: B

34. Which of the following Venn diagrams best represents the relationship amongst "BED, Ward, and Patient"? [2015]

(A)

(B)

(C)

(D)
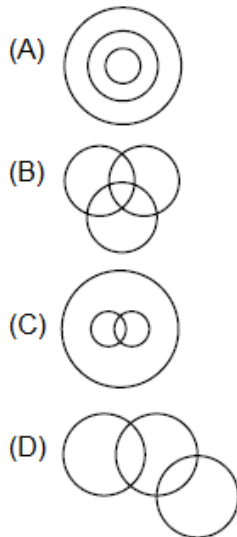
Ans: D

Solution: Bed and ward are different from each other but the patient can be put in any ward or bed.

35. How many such pairs of letters are there in the word CLASSROOM each of which has as many letters between them in the word as there are between them in the English alphabet? [2016]

(A) There   (B) Five   (C) Four   (D) Two

Ans: C

Solution: In CLASSROOM, following pair satisfy above given condition:

C & A
S & R
S & O
O & M

36. Find out from the option which is the mirror-image of the given combination if mirror is placed along MR. [2012]

(A)

(B)

(C)

(D)
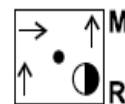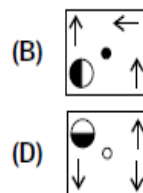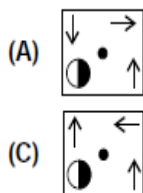
Ans: B

37. How many 5's are there in the given series of which is immediately preceded by an even number and followed by a vowel? [2013]

25D415I3BC625A65IJ935Q7F438KJA65045

(A) 0   (B) 3   (C) 4   (D) 2

Ans: D

38. Count the number of triangles in the given figure. [2014]
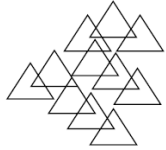
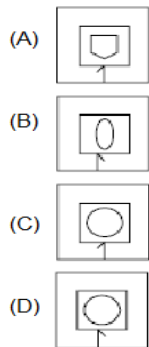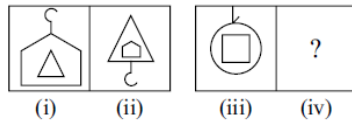(A) 22   (B) 20   (C) 19   (D) 21

Ans: B

39. There is a certain relationship between the figures (i) and (ii). Establish the same relationship between figures (iii) and (iv) by selecting a suitable figure from the options that will replace the (?) in fig. (iv). [2015]

(i)   (ii)   (iii)   (iv)

(A)

(B)

(C)

(D)

Ans: D

Solution: In the first relation triangle is in pentagon and in second one pentagon is in triangle similarly circle should be in square

40. Which of the following Venn diagrams correctly describes the relationship amongst, "Clothes, Flowers and Bright things"? [2016]

(A)

(B)

(C)

(D)
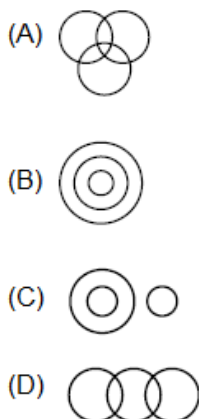
Ans: D

Solution: Relationship between Clothes, Brightness and flower is:

Some clothes anre bright

Some flowers are bright

No cloths is flower

41. Rohit earns more than Fathan but not as much as Jay. Krish earns less than Jay but not as little as Farhan. Mohit earns more than Farhan but not as much as Rohit. If they are arranged according to their earnings, who will be in the middle? [2012]

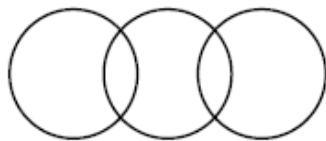(A) Krish   (B) Rohit   (C) Mohit   (D) Data inadequate

Ans: D

42. If '+' means '÷', '−'means '×', '÷' means '+' and '×' means '−', then 320 ÷ 225 + 15 × 15 – 85 =? [2013]

(A) 180   (B) 140   (C) 60   (D) −940

Ans: D

43. Which of the following options best depicts the given Venn diagram? [2014]

(A) Plants, Animals, Flowers   (B) Pencil, Eraser, Pen
(C) Toy cars, Toys, Plastic objects   (D) Basketball players, Females, Sportsman

Ans: D

44. If the letters of the English alphabetical series are arranged in reverse order, which letter will be in the midway between the 19th letter from the left end and the 18th letter from the right end? [2015]
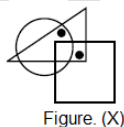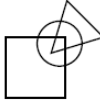
(A) I   (B) J   (C) M   (D) S

Ans: C
Solution:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Z	Y	X	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A

18th letter from right end is R and 19th letter from left end is H, Midway letter between this two is M.

45. Select a figure from the options which satisfies the same conditions of placement of dots as in Figure. (X). [2016]
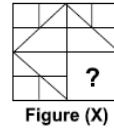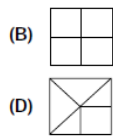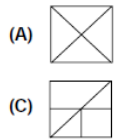

Figure. (X)

(A)   (B)
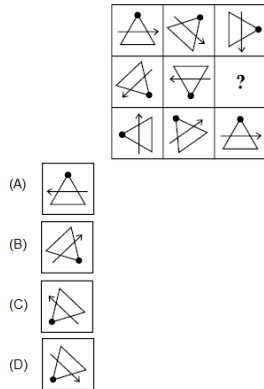
(C)   (D)

Ans: A
Solution: Only figure A satisfies the given figure condition

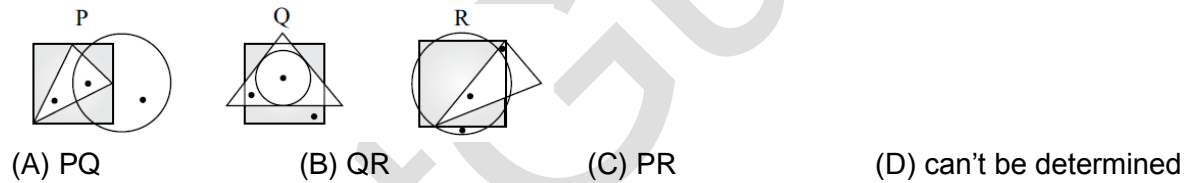46. Find the figure from the options if placed in place of question mark, will complete the figure(X).   [2012]

(A)

(B)

(C)

(D)

Figure (X)

Ans: C

47. Find the missing figure in the given figure matrix.   [2013]

(A)

(B)

(C)

(D)

Ans: C

48. Select the pair which satisfies the same placement of condition of dots.   [2014]

(A) PQ   (B) QR   (C) PR   (D) can't be determined

Ans: C

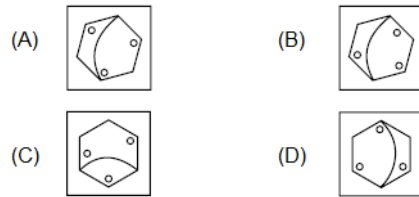49. Which of the following options satisfies the same condition of placement of the dot as in Figure (X)?   [2015]

Figure. (X)

(A)

(B)

(C)

(D)
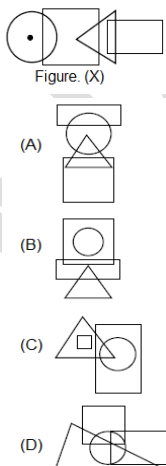
Ans: A

Solution: Figure A satisfies since this centre is well defined.

50. Select the odd one out. [2016]

(A)   (B)

(C)   (D)

Ans: C
Solution: Only in figure C, concave are side has single point.

51. J, K, L, M, N, O and P are seven kids playing in the garden. They are wearing clothes of colours – black, blue, white, green, pink, yellow and brown. Out of the seven kids, three are girls. No girl is wearing either black yellow or brown. M's sister O is wearing pink, while he is wearing brown. J is wearing blue, while his sister K is not wearing green. N is wearing yellow, while his best friend P is a boy.
What colour is K wearing? [2012]

(A) Green   (B) Pink   (C) Brown   (D) White

Ans: D
Solution:

kids	Boy/Girl	Black	Blue	White	Green	Pink	Yellow	Brown
J			Yes					
K	**Girl**	No		**Yes**	No			
L								
M								Yes
N							Yes	
O	Girl					Pink		
P	Boy							

Note: No girls wear Black, Brown or Yellow.

52. Five friends Ashu, Andy, Monu, Sonu and Meeku are sitting on a bench facing north. Ashu is sitting next to Monu, Andy is sitting next to Meeku, Meeku is not sitting next to Sonu, who is sitting on left end at the bench. Andy is on the second position from the right, Ashu is second from the left, in which position is Monu sitting? [2013]

(A) 3ʳᵈ   (B) 2ⁿᵈ   (C) 1ˢᵗ   (D) 5ᵗʰ

Ans: A

53. Study the given arrangement and answer the question that follows: [2014]
W ↑ 2 S I * N 1 L @ = B D 3 6 Δ H J 9 # 7 P K $ V & 8 4 M
If the symbols and numbers are interchanged serially as they appear in the arrangement such as ↑ with 2, * with 1, @ with 3 and so on, then which element will be the 17ᵗʰ element to the right of the 20ᵗʰ element from the right end in the new arrangement?

(A) 8   (B) $ (C) 4   (D) #

Ans: B

54. If it is possible to make a meaningful word using the sixth, the seventh and the ninth letters in the word SIMPLETON, then the second letter of the word is the answer. If no meaningful word is formed, give 'X' as your answer. If more than one such word is formed, give 'M' as your answer. [2015]

   (A) E   (B) M   (C) N   (D) X

   Ans: B

   Solution: N, T, E is the letters, but no meaningful word can be formed, hence M is the answer.

55. Find the next term in the given series.   [2016]

   PMT, OOQ, NQN, MSK,?

   (A) LWI   (B) LVH   (C) LVI   (D) LUH

   Ans: D

   Solution: P…….O……N…….M………L

   M…….O……..Q…….S…………U

   T……..Q……..N…….K…………H

56. Select a figure from the options which contains Fig. (X) as its part.   [2012]
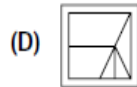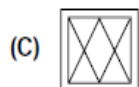
   Fig.(X)

   Ans: B

   Solution: Observe the net carefully.

57. Find the figure from the options in which figure. (X) Is embedded as one of its part.   [2013]

   Fig. (X)
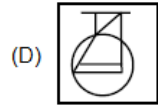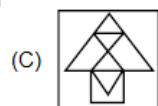
   Ans: C

58. If '+' stands for '×', '−'stands for '÷', '×' stands for '−', ÷ stands for '+', then value of P is ____. [2014]

6 − 2 + 8 × 12 ÷ 3 > [P]

(A) 15   (B) 18   (C) 21   (D) 14

Ans: A

Solution: If we change the signs for the given question as per the instructions,

we get 6 ÷ 2 × 8 − 12 + 3 = P

3 × 8 − 12 + 3 = P

24 − 12 + 3 = P

12 + 3 = P

P = 15

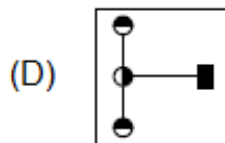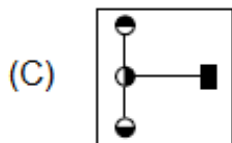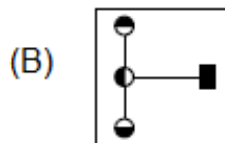59. If the first and the third digits in each of the following numbers are interchanged, then which number will be the smallest? [2015]

348   436   652   198   563

(A) 348   (B) 436   (C) 652   (D) 198

Ans: C

Solution: We get the smallest from the number 652 that is 256; Hence (C) is the answer.

60. Select the correct mirror image of Figure. (X), if the mirror is placed vertically to the left. [2016]

Figure. (X)

(A)   (B)

(C)   (D)
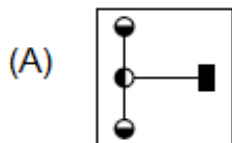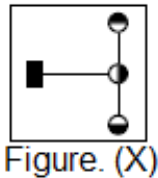
Ans: B

Solution: In figure C, there is correct lateral inversion.

61. If in the following groups of numbers after adding all the digits of each group, are arranged in decreasing order, then which will be the middle group? [2012]

853, 395, 486, 249, 497, 766, 914

(A) 395   (B) 497   (C) 486   (D) 766

Ans: A

Solution: The sums of the digits of the given group of numbers are follows

Group of Number	Sum of Digits
853	16
395	17
486	18
249	15
497	20
766	19
914	14

Arranging the sum of the digits in descending order, we've, 20, 19, 18, 17, 16, 15, and 14.
Clearly we can observe that 17 is the number in the middle, this is this sum of the digits of the number, 395.

62. In a certain code language, the word 'DIPLOMA' is written as 'FERHQIC'.
   How will the word 'FOREIGN' be written in that code?   [2013]
   (A) HJTAKCP   (B) HKTALCP   (C) HKTAKCP   (D) HKTAKBP

   Ans: C

63. Rahul told Anand, "Yesterday I defeated the only brother of the daughter of my grandmother.
   "Whom did Rahul defeat?   [2014]
   (A) Son   (B) Father   (C) Brother   (D) Father-in-law

   Ans: B
   Solution: Rahu's grandmother's daughter is sister of only brother,
   then the relation of only brother is Rahul's father.

64. Select the correct mirror image of Fig. (X0, if the mirror is placed vertically to the left.   [2015]

   Ans: A

Solution: In mirror image left will be right and right will be left, hence (A) is correct.

65. in which of the following figures, Figure. (X) is exactly embedded as one of its part?   [2016]

Figure. (X)

(A)
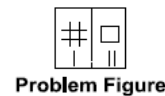
(B)
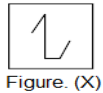
(C)

(D)

Ans: C
Solution: In figure C, the object is imbedded

66. There is a problem figure having two parts I and II. The problem Figure has some characteristics. Select the figure from the option which has the same commonality.   [2012]

(A)

(B)

(C)

(D)

Problem Figure

Ans: B
Solution: Observe the figure carefully, Expansion of one figure is resulting the other.

67. B is the South-West of A, C is to the East of B and South-East of A and D is to the North of C in line with B and A. In which direction of A is D located?   [2013]
    (A) North-West   (B) South-West   (C) South-East   (D) North-East

    Ans: D

68. P, Q, R, S, T, V and W are sitting around a circle facing at the centre. V is second to the left of P and second to the right of W. T is third to the right of Q and is not an immediate neighbor of V. S is third to the right of R. In which of the following groups is the last person sitting between the first and the second persons?   [2014]
    (A) RPQ   (B) TWS   (C) QPR   (D) PTR

    Ans: D

69. Study the information carefully.   [2015]
    - Among M, N, O, P and Q, N is taller than only P.
    - O is the 2nd tallest person.
    - O is taller than both M and N.

Which of the following is the tallest?

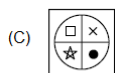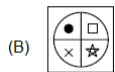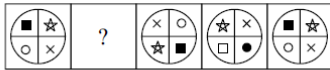   (A) P   (B) Q   (C) M   (D) O

Ans: B

Solution: Q>O>M>N>P. Hence Q is the tallest person.

70. Which of the following figures will complete the given figure series? [2016]

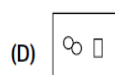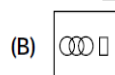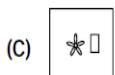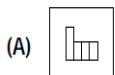(A)

(B)

(C)

(D)

Ans: B

Solution: Square is moving in clock wise direction, so.

71. In the adjoining figure there is one matrix followed by four Answer Figures.
In the matrix there are eight designs and one space left blank shown by question mark which answer figure will replace the question mark? [2012]
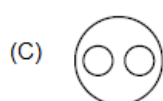

(A)

(C)

(B)

(D)
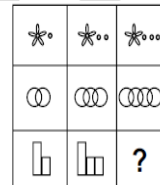
Ans: A

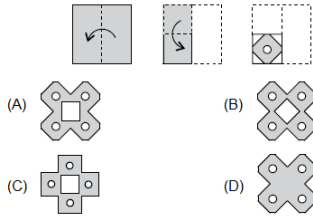72. Which of the following Venn diagrams correctly describes the relationship amongst?
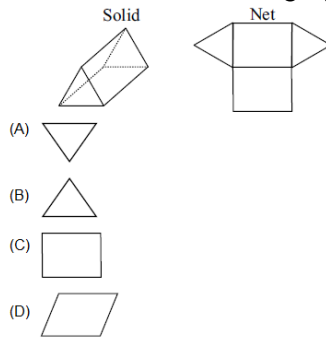"Vegetable, Fruit, Rotten"? [2013]

(A)

(B)

(C)

(D)

Ans: D

73. A piece of paper is folded in such a manner as shown and punched. Select the unfolded form of piece of paper. [2014]
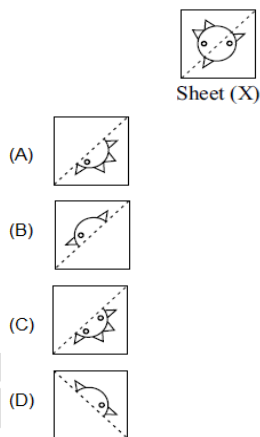

(A)   (B)

(C)   (D)

Ans: B

74. A solid and its incomplete net are given.
Which one of the following options will complete the given net? [2015]

(A)

(B)

(C)

(D)

Ans: C
Solution: It's the option (C).

75. A square transparent Sheet (X) with a pattern and a dotted line is given. Select the option figure from the options which shows the folded from of Sheet (X) along the dotted line. [2016]

(A)

(B)

(C)

(D)

Ans: C
Solution: when the sheet is folded, then both the dots & 4 triangular shapes will come on same side

76. If P means ÷, R means +, T means – and W means ×, then what is the value of given statement? [2012]

24 R 16 P 8 W 6 T 9

(A) $15\frac{1}{3}$ 　　　　(B) 21 　　　　(C) 417 　　　　(D) 27

Ans: D

Solution: As per the given conditions, let's replace the statement below with the respective operator,

24 **R** 16 **P** 8 **W** 6 **T** 9

Or, 24 + 16 ÷ 8 × 6 − 9 = 27;   {BODMAS}

77. Arrange the following words in the alphabetical order as arranged in dictionary and choose the word that comes last. [2013]

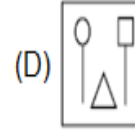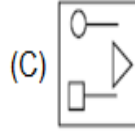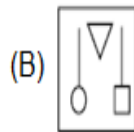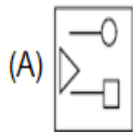(A) Prominent   (B) Prohibition   (C) Programme   (D) Prolong

Ans: A

78. In this question, there are four figures as given in options (A), (B), (C) and (D). Out of these four figures, there are similar in a certain way. However, one figure is not like the other there.
Choose the figure which is different from the rest. [2012]

Ans: C
Solution: Clearly, the top vertex of the triangle is pointing towards the circle and square in their direction. Whereas, in (C), it isn't

79. Which of the following options will complete the series? [2013]
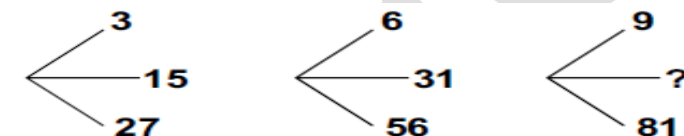
3, 2, 11, 4, 35, 8, 107, 16,?

(A) 321   (B) 323   (C) 32   (D) 120

Ans: B

80. In the given figure, which number will replace the question mark? [2012]

(A) 45   (B) 41   (C) 32   (D) 40

Ans: A
Solution: 15 is the average of 3 & 27
Similarly, 31 is the average of 6 & 56
Therefore, the average of 9 & 81 is, 45.

81. Which number will replace the question mark, if the matrix follows a certain rule row-wise or column-wise? [2013]

4	7	5
33	78	46
8	?	9

(A) 12   (B) 13   (C) 11   (D) 10

Ans: C

82. If 'sheet' is called 'pillow' is called 'quilt' is called 'mosquito net', 'mosquito net' is called 'scarf' and 'scarf' is called 'saree', then which is used only in winters? [2012]

(A) Quilt   (B) Pillow   (C) Mosquito net   (D) Scarf
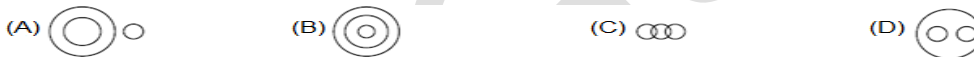
Ans: C

Solution: During winters, we use 'Quilt' which is called 'mosquito net'

83. The given question consists of two sets of figure. Figures P, Q, R and S consist of a problem set. There is a definite relationship between figures P and Q. Establish a similar relationship between Figure R and S by selecting a suitable figure from the options that would replace (?) in figure S. [2013]
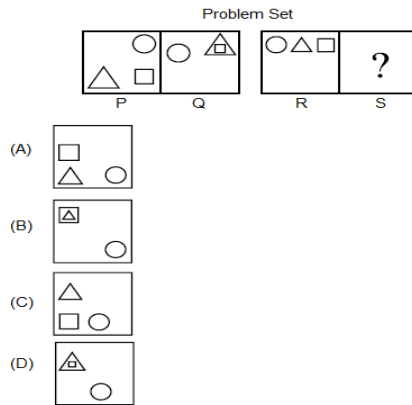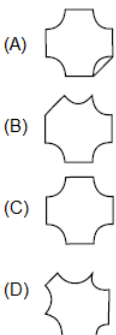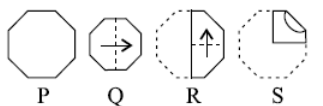

Ans: D

84. The given three elements are related in some way. Find the diagram in which these three elements fit.

Oil, Wick, Lamp [2012]

Ans: D

Solution: Oil and Wick are both different, but Lamp uses both of them.

85. In the given question a place of sheet is folded and cut and then unfolded. Select this figure from option which exactly resembles the unfolded paper. [2013]

Ans: C