SAMPLE PAPER-01

Direction (Q.1 to Q.4): In each of the following questions there are given a combination of letters, followed by four (1, 2, 3 & 4) alternatives. Choose the alternative which most closely resembles the mirror-image of the given combination.

1. BUZZER

(1) ЯƎⵉⵉUB   (2) REZZUB

(3) ꓭUⵉⵉƎꓤ   (4) ЯƎⵉⵉUꓭ

2. JUDGEMENT

(1) TNEMEGDUJ   (2) TИƎMƎ⅁ꓷUꓘ

(3) TИƎMƎ⅁ꓷUꓘ   (4) ꓘUꓷ⅁ƎMƎИT

3. R4E3N2U

(1) ЯƎ4N2U3   (2) U2N3E4R

(3) Uⵉ3И3Ǝ4Я   (4) Uⵉ3И3Ǝ4Я

4. DBV8476

(1) ꓷꓭ�glV8476   (2) 6748VBD

(3) 8476DBV   (4) 6748Vꓭꓷ

Directions(Q.5 to Q.8): In each of the following questions, a matrix of certain numbers is given, with a question mark (?) in one block. These numbers follow a certain trend. Carefully go through the numbers and choose the missing (?) character.

5.

4	5	6
2	3	7
1	8	3
21	98	?

(1) 94   (2) 76   (3) 73   (4) 16

6.

42	44	38
23	55	28
37	?	39

(1) 33   (2) 66   (3) 22   (4) 77

7.

7B	5C	6B
3C	9B	19A
15A	17A	?

(1) 10C   (2) 12C   (3) 14B   (4) 16C

8.

Z4	X3	V9
A6	C5	?
T5	R4	P10

(1) E10   (2) E11   (3) S10   (4) S12

Directions(Q.9 to Q.13): Read the following informations and answer the questions based on them. In a school, there were five teachers. A and B were teaching Hindi and English, C and B were teaching English and Geography, D and A were teaching Mathematics and Hindi, E and B were teaching History and French.

9. Who among the teachers was teaching maximum number of subjects ?

(1) A   (2) B   (3) C   (4) E

10. Which of the following pairs was teaching both Geography and Hindi ?

(1) A and B   (2) B and C

(3) D and B   (4) None of these

11. More than two teachers were teaching which subject ?

(1) History   (2) Hindi

(3) French   (4) Mathematics

12. D, B and A were teaching which subject ?

(1) English   (2) Hindi and English

(3) French   (4) Hindi

13. Who among the teachers was teaching less than two subjects ?

(1) A

(2) B

(3) D

(4) There was no such teacher

Directions(Q.14 & Q.15): In the following letter-series, what will come in the place of question mark (?).

14. DEG, HIJL, MNOPR, ?

(1) STUVXY   (2) STUVWO

(3) STUVWZ   (4) STUVWY

15. aetxu, fjqux, xtead, ?

(1) yzaed   (2) xtkle   (3) hbqfu   (4) zuytg

Directions(Q.16 to Q.20): Below there are given a series of numbers, in which one number is missing. Find it out from the given alternatives.

16. 98, 72, ?, 32, 18, 8
  (1) 50   (2) 38   (3) 58   (4) 62

17. 2, 3, 6, 15, 42, ?
  (1) 121   (2) 123   (3) 127   (4) 129

18. 110, 99, 86, ?, 54, 35
  (1) 67   (2) 77   (3) 71   (4) 61

19. 4, 12, 36, 108, ?, 972
  (1) 313   (2) 309   (3) 302   (4) 324

20. 2, 5, 10, 17, ? ,37
  (1) 11   (2) 13   (3) 26   (4) 36

Directions(Q.21 to Q.23): In each of the following questions find the figure from the answer set (i.e. 1, 2, 3 & 4) which will continue the series given in the problem set (i.e. A, B, C, D & E).

21.

22.

23.
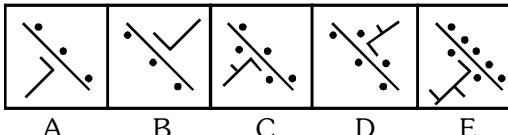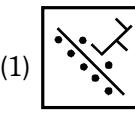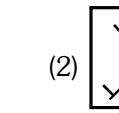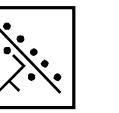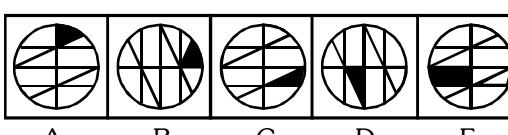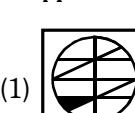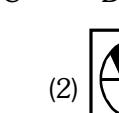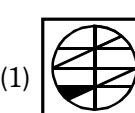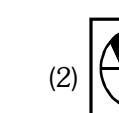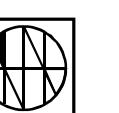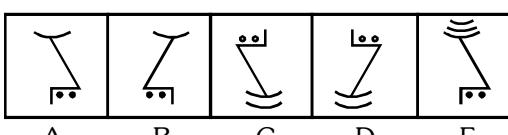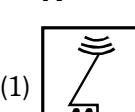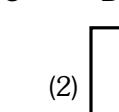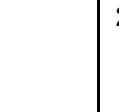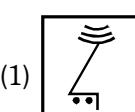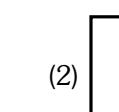
Directions(Q.24 & Q.25): Find the water image of X from amongst the given alternatives A, B, C & D.

24.
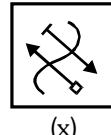
(x)
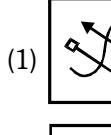
(1)   (2)
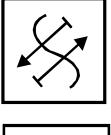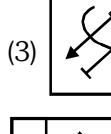
(3)   (4)
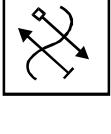
25.

(X)
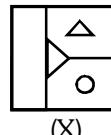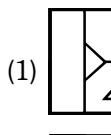
(1)   (2)
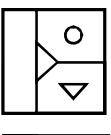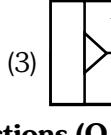
(3)   (4)
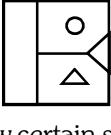
Directions (Q.26 to Q.29): Below certain statements have been given about blood relationships. The questions are based on them. You have to find out the relationships about whom you are asked.

26. C is A 's father's nephew. D is A's cousin but not the brother of C. How is D related to C ?
  (1) Father   (2) Mother
  (3) Sister   (4) Aunties

27. Pointing to a man, a woman said, "His mother is the only daughter-in-law of my mother-in-law. How was the man related to the woman ?
  (1) Husband   (2) Son
  (3) Father   (4) Brother

28. Pointing to his son's protrait, a man said to a woman "His mother is the only daughter of your mother." How was the woman related to the man ?
  (1) Sister   (2) Mother
  (3) Wife   (4) Daughter

29. Pointing to a man in a photograph, a woman said, His brother's father is the only son of my grand father". How is the woman related to the man in the photograph ?
  (1) Mother   (2) Aunt
  (3) Daughter   (4) Sister

Directions(Q.30 & Q.31): In each of the following questions, a matrix of certain numbers is given, with a question mark (?) in one block. These numbers follow a certain trend. Carefully go through the numbers and choose the missing (?) character.

30.

```
     4           5           9
3  (63) 8    4  (?) 6    5  (87) 8
     6           7           7
```

(1) 73   (2) 77   (3) 66   (4) 61

31.

```
      3            4            2
2  (576) 4    3 (3600) 5   4  (?) 1
      1            1            5
```
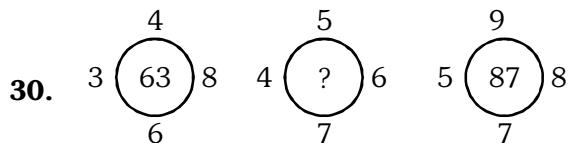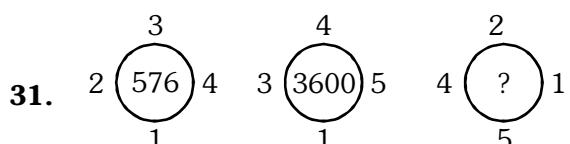
(1) 890   (2) 422   (3) 1600   (4) 720

Directions(Q.32 toQ.34): Three positions of the same dice has been shown below. Study their position and answer the questions that follows:

```
    3          3          4
 6    2     5    6     5    3
   (i)        (ii)       (iii)
```
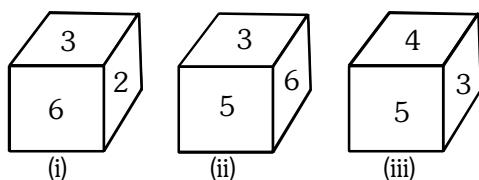
32. What digit is on the face opposite of 6 ?

(1) 3   (2) 5   (3) 4   (4) 1

33. In figure (i) what digit is on the bottom ?

(1) 4   (2) 1   (3) 2   (4) 3

34. What digit will be on the top if digit 2 is on the bottom ?

(1) 3   (2) 4   (3) 6   (4) 5

35. The sum of the present age of 5 persons is 55 years. After five years what would be their average age ?

(1) 18   (2) 16   (3) 50   (4) 28

36. 10 years before, the age of Ajay was just the double of Vijay's age. After 10 years the age of Ajay will be 40 years. What is the present age of Vijay ?

(1) 20   (2) 18   (3) 15   (4) 16

37. Cricket always has

(1) Stumps   (2) Pitch
(3) Pads   (4) Bat

38. A disease always has

(1) Patient   (2) Medicine
(3) Cause   (4) Cerms

39. A man is facing west. He turns 45° in the clockwise direction and then another 180° in the same direction and then 240° in the anticlockwise direction. Which direction is he facing now ?

(1) South   (2) North-West
(3) West   (4) South-West

40. Mohan walks 10 km towards North. From there he walks 6 km towards South. Then, he walks 3 km towards East. How far and in which direction is he with reference to his starting point ?

(1) 5 km. West   (2) 5 km North-East
(3) 7 km West   (4) 7 km East

41. A is 40 m. South-West of B.C. is 40 m. South-East of B. Then C is in which direction of A ?

(1) East   (2) West
(3) South   (4) South-East

42. In the given figure, P is 300 km. eastward of O and Q is 400 km. North of O.R. is exactly in the middle of Q and P. The distance between Q and R is.

```
Q  North
|\
| \
|  \
|   \  East
O    P
```
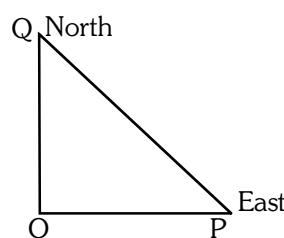
(1) 200 km   (2) 250 km
(3) 300 km   (4) 350 km

43. A person is going towards South, then turns left, then left, then right and then right again. In which direction is he now ?

(1) North   (2) South
(3) East   (4) West

Directions(Q.44 to Q.48): In each of the following letter series, some of the letters are missing which are given in that very order in one of the alternatives given below. Choose the correct alternative and mark it on your answer-sheet as directed.

44. a_bba_b_abb_a_bbaab

(1) abbab   (2) bbaba
(3) aabba   (4) abbaa

45. a_cc_bab_cab_bc_bcbc

(1) bacac   (2) bccaa

(3) bbcca   (4) bcabb

46. xx_x_yz_z_a_aa_x

(1) yazaya   (2) yyyzza

(3) yyaazz   (4) yyzzya

47. _n_h_nhnn_hnh_nh

(1) hnhnh   (2) nnhnh

(3) nhhnn   (4) hnhhn

48. q_rqs__s_qsrq_rqs

(1) rsrsq   (2) sqrqs

(3) srqrs   (4) rqsrq

49. What number is opposite 3 ?
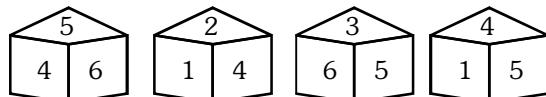
(1) 4   (2) 2   (3) 6   (4) 5

50. A cubical block with designs in the faces is presented as viewed from different directions. Find the design on the blank space (face with a question mark.)

(1)   (2)   (3)   (4)
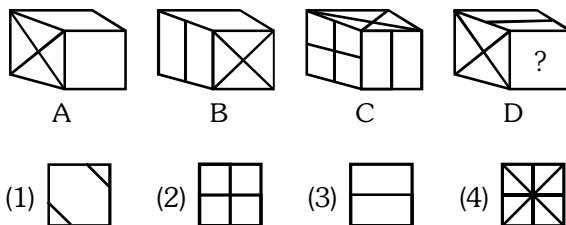
Directions(Q.51 to Q.53): Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

51. A, CD, GHI, ?, UVWXY

(1) KLMN   (2) LMNO

(3) MNOP   (4) NOPQ

52. ADVENTURE, DVENTURE, DVENTUR, ?, VENTU

(1) VENTUR   (2) VENTURE

(3) DVENT   (4) DVENTU

53. UPI, ?, ODP, MBQ, IAW

(1) SIJ   (2) SHJ   (3) RHJ   (4) TIJ

54. Which of the following diagrams indicates the relation between Judge, Thieves and Criminals ?
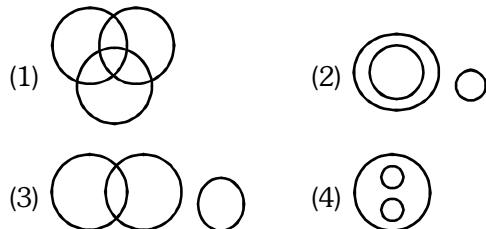
55. Which of the following diagrams indicates the relation between Iron, Lead and Nitrogen?
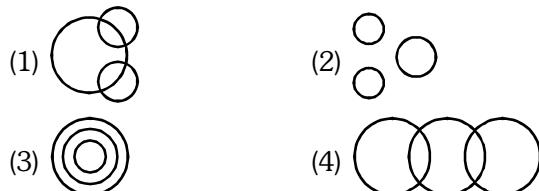
56. Which of the following diagrams indicates the relation between Bulb, Lamp and light ?
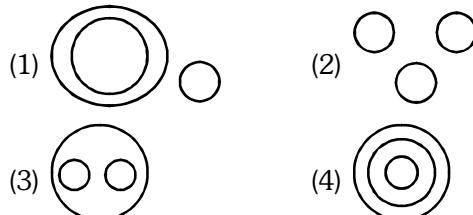
57. In the following figure, triangle represents 'girls', square, 'players' and circle, 'coach'. Which part of the diagram represents the girls who are players but not coach ?
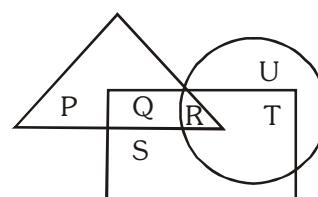
(1) P   (2) Q   (3) R   (4) S

58. The diagram given below represents those students who play Cricket, Football and Kabaddi. Study the diagram and identify the students who play all three games.
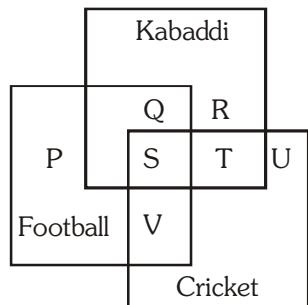
(1) P + Q + R   (2) V + T

(3) S + T + V   (4) S

Directions(Q.59 to Q.62): P, Q, R, S, T, U, V and W are sitting round the circle and are facing the centre:

1. P is second to the right of T who is the neighbour of R and V.

2. S is not the neighbour of P.

3. V is the neighbour of U.

4. Q is not between S and W, and W is not between U and S.

Answer the questions from the above sitting arrangement.

59. Who two of the following are not neighbours ?

(1) RV　　(2) UV　　(3) RP　　(4) QW

60. Who is immediate right to the V ?

(1) P　　(2) U　　(3) R　　(4) T

61. Which of the following is correct ?

(1) P is to the immediate right of Q

(2) R is between U and V

(3) Q is to the immediate left of W

(4) U is netween W and S

62. What is the position of S ?

(1) Between U and V

(2) Second to the right of P

(3) To the immediate right of W

(4) Data inadequate

Directions(Q.63 to Q.66): Five girls are sitting on a bench to be photographed Seema is to the left of Rani and to the right of Bindu, Mary is to the right of Rani. Reeta is between Rani and Mary. Answer the questions from the above sitting arrangement.

63. Who is sitting immediate right to Reeta ?

(1) Bindu　　　　　(2) Rani

(3) Mary　　　　　(4) Seema

64. Who is in the middle of the photograph ?

(1) Bindu　　　　　(2) Rani

(3) Reeta　　　　　(4) Seema

65. Who is second from the right in the photograph ?

(1) Mary　　　　　(2) Rani

(3) Reeta　　　　　(4) Bindu

66. Who is second from the left in photograph ?

(1) Reeta　　　　　(2) Mary

(3) Bindu　　　　　(4) Seema

Directions(Q.67 to Q.69): Choose the word which is different from the rest.

67. (1) Producer　　　　(2) Director

(3) Investor　　　　(4) Financer

68. (1) Calendar　　　　(2) Year

(3) Day　　　　　　(4) Month

69. (1) Mumbai　　　　(2) Cochin

(3) Kandla　　　　　(4) Mysore

70. If A + B means A is the father of B; A–B means A is the brother B; A % B means A is the wife of B and A ×B means A is the mother of B, which of the following shows that M is the maternal grandmother of T ?

(1) M × N % S + T　　　(2) M × N – S % T

(3) M × S – N % T　　　(4) M × N × S % T

71. 1. B5D means B is the father of D.

2. B9D means B is the sister of D.

3. B4D means B is the brother of D.

4. B3D means B is the wife of D.

Which of the following means F is the mother of K?

(1) F3M5K　　　　　(2) F5M3K

(3) F9M4N3K　　　　(4) F3M5N3K

72. If POND is coded RSTL how is HEAR written in the code ?

(1) GHIJ　　　　　　(2) JIGZ

(3) GHIZ　　　　　　(4) None of these

73. If SPIDER is coded as PSDIRE, how is COMMON written in that code ?

(1) OCMMNO　　　　(2) OCMMOO

(3) OCMOON　　　　(4) OCMOMN

Directions(Q.74 to Q.76): All the six members of a family A, B, C, D, E & F are staying together. B is the son of C but C is not the mother of B. A & C are married couple. E is the brother of C. D is the daughter of A. F is the brother of B.

74. How many male members are there in the family ?

(1) 1　　(2) 2　　(3) 3　　(4) 4

75. Who is the mother of B ?

(1) D　　(2) F　　(3) A　　(4) E

76. How many children does A have ?

(1) 1　　(2) 3　　(3) 2　　(4) 4

ALLEN

77. Which digit will appear on the face opposite to the face with number 3 ?
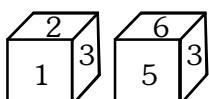
(1) 4　　　(2) 5　　　(3) 6　　　(4) 2

78. Which number is on the face opposite to 6 ?

(1) 4　　　(2) 1　　　(3) 2　　　(4) 3

79. Which sign will be opposite to '+' ?
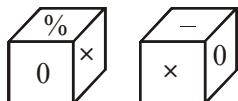
(1) %　　　(2) –　　　(3) ×　　　(4) $

Directions(Q.80 to Q.87): Find out the alternative which will replace the question mark.

80. AZBY : CXDW :: EVFU : ?

(1) GTHS　　(2) GHTS　　(3) GSTH　　(4) TGSH

81. ZRYQ : KCJB :: PWOV : ?

(1) GBHA　　(2) ISJT　　(3) ELDK　　(4) EOFP

82. Computer : fqprxvht :: Language : ?

(1) oxpixdig　　　　(2) ocqicyig

(3) ocqixcjg　　　　(4) ocqixcig

83. ACEG : ? :: BDFH : KMOQ

(1) NLPR　　　　(2) LMNO

(3) JLNP　　　　(4) JNLO

84. M × N : 13 × 14 :: F × R : ?

(1) 14 × 15　　　(2) 5 × 17

(3) 6 × 18　　　(4) 7 × 19

85. Conference : Chairman :: Newspaper: ?

(1) Reporter　　　(2) Distributor

(3) Printer　　　(4) Editor

86. Problem figures

A　　B　　C　　D
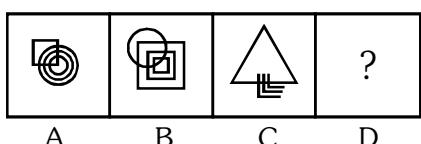
(1)　　　　(2)

(3)　　　　(4)

87. Problem Figures

A　　B　　C　　D

(1)　　　　(2)

(3)　　　　(4)
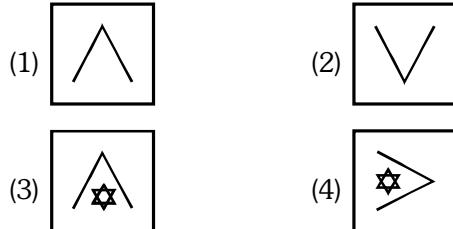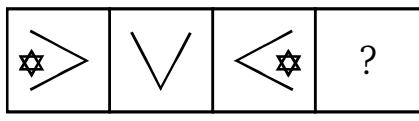
88. Find the number of tirangle in the figure below.
Problem figure
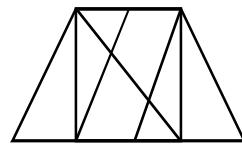
(1) 8　　　(2) 10　　　(3) 12　　　(4) 14

89. Find the minimum number of straight lines required to make the given figure.
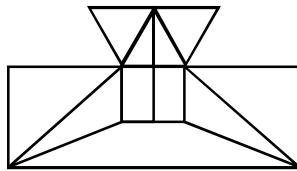
(1) 16　　　(2) 17　　　(3) 18　　　(4) 19

90. Count the number of squares in the given figure.
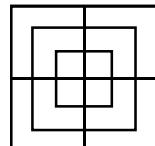
(1) 8　　　(2) 12　　　(3) 15　　　(4) 18

Direction (Q.91 & Q.92) : Find out the alternative figure which contains figure (x) as its part.

91.

(x)

(1)　　　　(2)

(3)　　　　(4)

92.

(x)

(1)   (2)

(3)   (4)
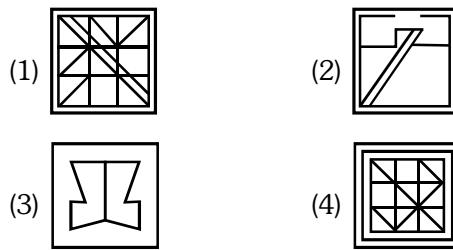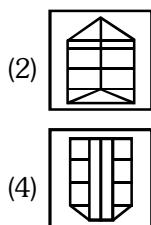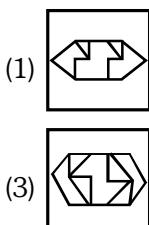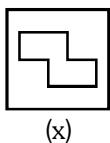
Directions(Q.93 & Q.94): Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (x).

93.

(x)

(1)   (2)

(3)   (4)

94.

(x)

(1)   (2)
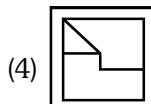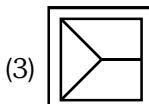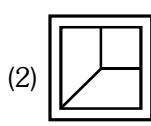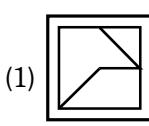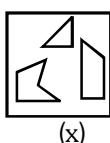
(3)   (4)
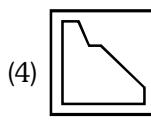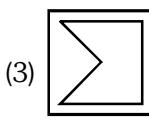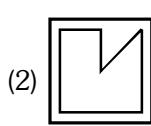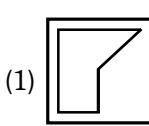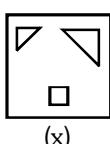
Directions(Q.95 to Q.98): Identify the figure that completes the pattern (x).

95.

(x)

(1)   (2)

(3)   (4)

96.

(x)

(1)   (2)

(3)   (4)

97.

(x)

(1)   (2)

(3)   (4)

**98.**

(x)

(1)   (2)

(3)   (4)
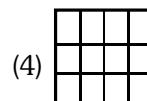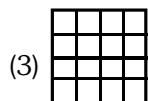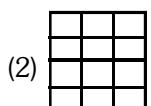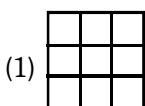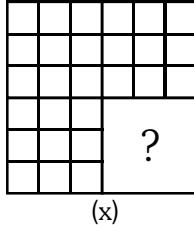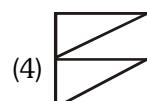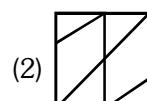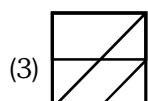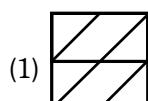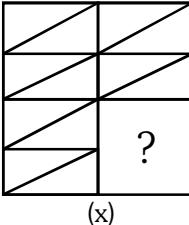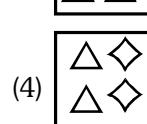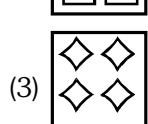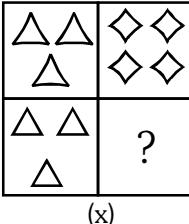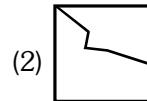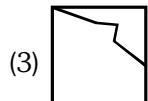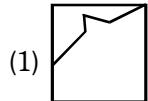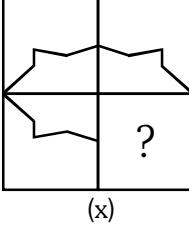
Directions(Q.99 & Q.100): In these series, there are both letter pattern and number pattern. Fill the blank in series.

99. ZA_5, Y_4B, XC_6, W_3D, ?

(1) E_7V (2) V_2E (3) VE_5 (4) VE_7

100. DEF, DEF_2, DE_2F_2, DE_2F_2, ?, $D_2E_2F_3$

(1) DEF_3 (2) D_3EF_3 (3) D_2E_3F (4) $D_2E_2F_2$

SPACE FOR ROUGH WORK