

JHARKHAND
NATIONAL TALENT SEARCH EXAMINATION (Stage-I), 2018-19, Class X
MENTAL ABILITY TEST

1. Complete the series.

Z1A, X2D, V6G, T21J, T21J, R88M, P445P,?

(1) N22676S (2) N2676T (3) T2670N

(4) T2676N

2. Which of the following can replace the missing number in place of question mark ?

1	2	3
6	7	8
12	14	?

(1) 12

(2) 22

(3) 23

(4) 24

Q(3-5) Read the following information and answer the questions based on it.

There were five teachers in a school. 'A' and 'B' taught Hindi and English both. 'C' and 'B' taught English and Geography both. 'D' and 'A' taught Math and Hindi both. 'E' and 'B' were the teachers of History and French.

3. Which teacher taught the maximum subjects.

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

(4) E

4. Which subject was taught by more than two teachers.

(1) French (2) Hindi (3) History

(4) Geography

5. Among the teachers who taught less than two subjects.

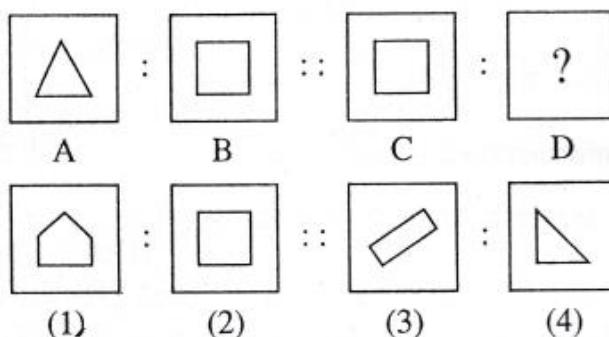
(1) A (2) B (3) D

(D) None

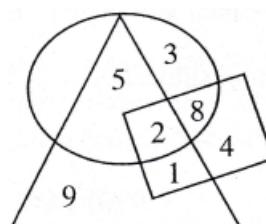
6. Shyam travel 5 km . in the East direction and then turns left and travels is 3 km . He again turns right and travels 4 km. After that he turns back direction. Now in which direction is he travelling.

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

7. In the following Questions. There are four figures A, B, C and D called analogous figures. A and B are related in the same way as C and D are related. Which figure out of four given options will come in place of figure D ?



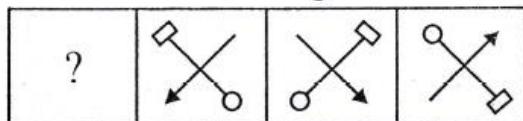
Q 8-10 Study the following diagram to answer the following questions.



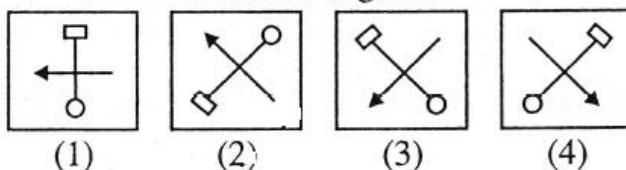
Q 12-13 Identify the missing number in the following sequence?

29-30. Select a suitable figure from the answer figure that would replace the question mark (?)

Problem Figures

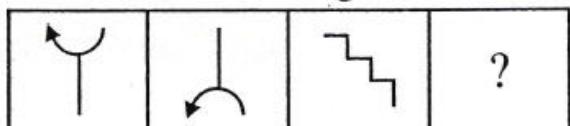


Answer Figures

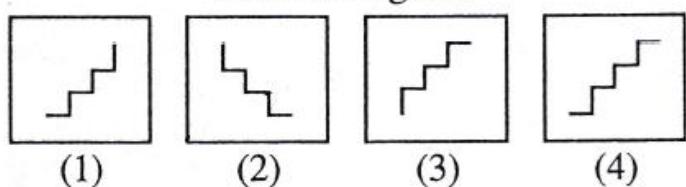


30.

Problem Figures



Answer Figures

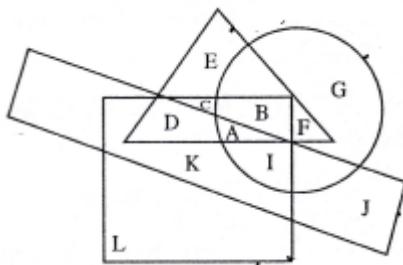


33-38 in the following questions, arrange the given in the sequence in which they occur in the dictionary and then choose sequence and mark it on your answer sheet as directed.

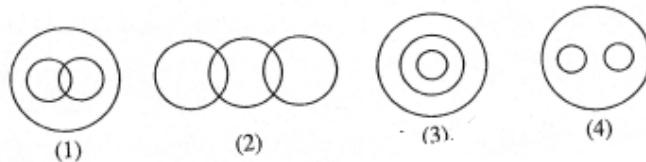
57-63 Read the following information carefully and answer the questions given below:

- (i) In a class of boys and girls, Amar's rank is 12th and Meeta's rank is 8th.
(ii) Amar's rank among the boys is 6th and Meeta's rank among girls is 3rd.
(iii) In the class Meeta's rank is 52nd from the other end.
(iv) From the other end, Amar's rank among the boys is 26th.

71-75 In the figure below, circle represents employed people, rectangle represents intelligent, square represents hardworking and triangle represents rural people. Study the figure and match the letters with the questions that follow.



76-78 In each of these questions, four words/numbers are given. Three of them are alike in some manner and one is odd. Find the odd-one from the alternatives given and mark the correct alternatives on the answer sheet.



88. In this number series how many '4' are there who have even numbers after them and odd numbers before them?

7 3 4 5 1 2 4 3 5 4 8 1 7 5 4 6 1 4 7 2 6 7 8 5 2

89-90 In the following questions, a series of number is given which follow certain rules. One of the numbers is missing. Choose the missing number from the alternatives given below and mark it on your answer-sheet as directed.

89. $25 - K - 8$, $23 - I - 11$, $21 - G - 14$, $19 - E - 17$,?
(1) $17 - F - 19$ (2) $19 - C - 17$ (3) $17 - C - 20$ (4) $20 - D - 17$

90. $2, 9, 28$,?
(1) 65 (2) 60 (3) 39 (4) 37

91-92 In the given questions one word is given with the four alternative words. Out of the four alternative words only one word can be made from the given question, find the correct alternative

91. REPUTATION
(1) TUTOR (2) PONDER (3) REQUIRE (4) RETIRE

92. ARISTOCRATIC
(1) CREATION (2) STATIC (3) SECRET (4) ARREST
93. If 'A' is brother of 'B', 'C' is mother of 'A', 'D' is father of 'C' and 'E' is son of 'B', then what is relation of 'E' to 'A'?
(A) Cousin (2) Nephew (3) Uncle (4) Grandson
94. If code for 'FAMILY' is 316459 and code for 'SISTER' is 747820 then what is the code for 'MISTRESS'
(1) 64870277 (2) 64708277 (3) 64782077 (4) 64780277
95. In the given question, four pairs of words are given out of which three pairs of words bears a certain relationship. Choose the pair in which the words are differently related?
(1) Forest – Elephant (2) River – Crocodile (3) Passenger- Luggage (4) Class - Student

96-100 Please read the paragraph and answer the questions given below –

A and B play cricket and tennis, B and E play' hockey, A and C play volleyball, C and D play hockey and tennis, C and E play football.

96. Who don't play tennis ?
(1) B (2) D (3) E (4) C
97. Who play cricket, tennis as well as volleyball?
(1) C (2) D (3) E (4) A
98. Who play hockey, cricket as well as tennis?
(1) A (2) B (3) C (4) D
99. Who play only hockey and tennis?
(1) A (2) C (3) D (4) E
100. Who play volleyball, hockey, tennis and football?
(1) A (2) C (3) D (4) B

ANSWER – KEY

Que	Ans	Que	Ans	Que	Ans	Que	Ans
1	1	26	4	51	3	76	1
2	1	27	4	52	3	77	3
3	2	28	1	53	2	78	4
4	2	29	2	54	2	79	3
5	4	30	1	55	3	80	4
6	2	31	3	56	1	81	2
7	1	32	2	57	1	82	4
8	1	33	1	58	3	83	1
9	2	34	3	59	2	84	4
10	4	35	3	60	1	85	3
11	2	36	4	61	4	86	3
12	3	37	1	62	2	87	3
13	1	38	3	63	3	88	3
14	4	39	2	64	4	89	3
15	3	40	1	65	2	90	1
16	4	41	2	66	1	91	1
17	2	42	2	67	3	92	2
18	4	43	1	68	1	93	2
19	4	44	3	69	1	94	4
20	2	45	2	70	3	95	3
21	4	46	2	71	1	96	3
22	3	47	1	72	2	97	4
23	2	48	3	73	3	98	2
24	4	49	2	74	4	99	3
25	1	50	3	75	4	100	2