

Time: 09.00 a.m. to 11.00 a.m.

CENTRE
CODE:

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DATE:

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EXAM SEAT NO.:

3	6	2	0	0	0					
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EXAM SEAT NO. (in words)

three	six	two	zero	zero	zero					
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NATIONAL TALENT SEARCH EXAMINATION 2019-20 (STD. X)
Mental Ability Test (MAT)

Instructions to the Candidates:

- 1) PART I Mental Ability Test Time 120 Minutes Maximum Marks 100
- 2) Write your Seat No. both in figures and in words on this Question Booklet (above) as Well as on the Answer Sheet (OMR Sheet) supplied to you.
- 3) Each question carries one Mark.
- 4) All questions are compulsory.
- 5) You have to mark your answers on Answer sheet provided with the Question Booklet. Each question is provided with four alternatives. Answer to each question is to be indicated by **making a dark circle on** the number of the correct alternative in the Answer sheet from amongst those given against the corresponding question in the Question Booklet.
- 6) Rough work can be done any where in the question booklet.
- 7) Extra time of 30 minutes will be allotted to the Physically Handicapped candidate with Defects of vision only.

Please Note the Centre Codes:

1. Bicholim 0001
2. Bardez 0002
3. Pernem 0003
4. Sattari 0004
5. Tiswadi 0005
6. Ponda 0006
7. Salcete 0007
8. Sanguem 0008
9. Canacona 0009
10. Quepem 0010
11. Dharbandora 0011
12. Mormugao 0012



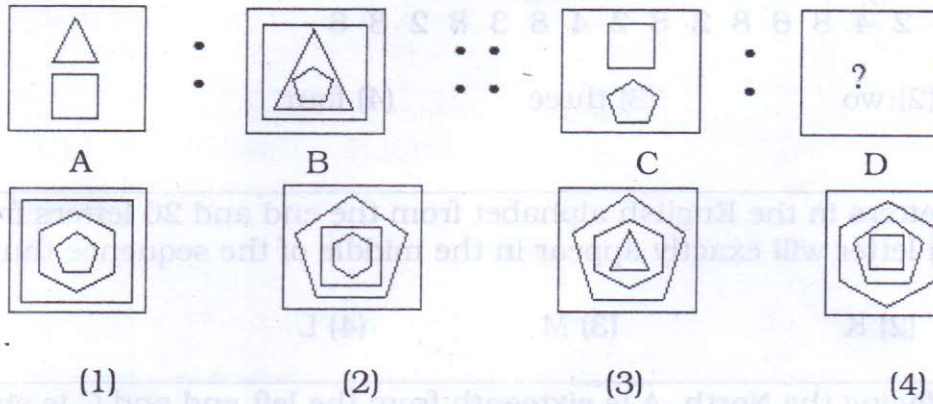
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**Mental Ability Test
Std X**

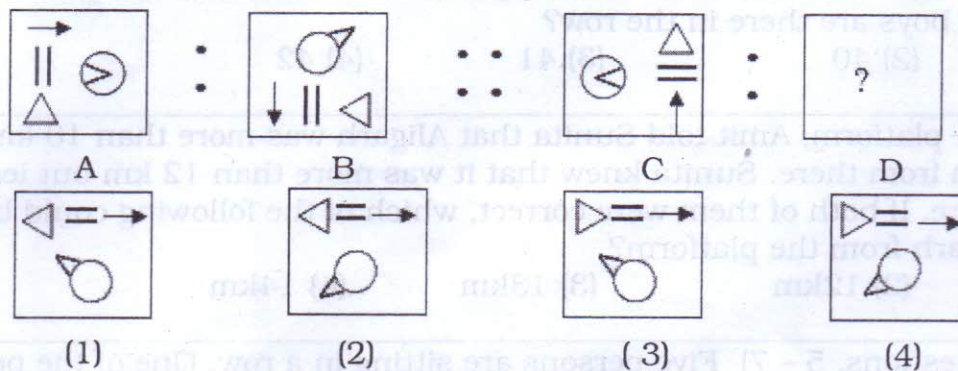
1. In the series given below, how many 8 are there which is exactly divisible by its immediate preceding as well as succeeding number?
2 8 3 8 2 4 8 2 4 8 6 8 2 8 2 4 8 3 8 2 8 6
(1) one (2) two (3) three (4) four
2. If you count 21 letters in the English alphabet from the end and 20 letters from the beginning, which letter will exactly appear in the middle of the sequence thus formed?
(1) N (2) K (3) M (4) L
3. In a row of boys facing the North, A is sixteenth from the left end and C is sixteenth from the right end. B, who is fourth to the right of A, is fifth to the left of C in the row. How many boys are there in the row?
(1) 39 (2) 40 (3) 41 (4) 42
4. Standing on the platform, Amit told Sunita that Aligarh was more than 10 km but less than 15 km from there. Sunita knew that it was more than 12 km but less than 14 km from there. If both of them were correct, which of the following could be the distance of Aligarh from the platform?
(1) 11km (2) 12km (3) 13km (4) 14km
- Directions: (Questions. 5 – 7) Five persons are sitting in a row. One of the persons at the extreme ends is intelligent and the other one is fair. A fat person is sitting to the right of a weak person. A tall person is to the left of the fair person and the weak person is sitting between the intelligent and the fat person.
5. Tall person is at which place counting from right?
(1) first (2) second (3) third (4) fourth
6. Person to the left of weak person possesses which of the following characteristics?
(1) intelligent (2) fat (3) fair (4) tall
7. Which of the following persons is sitting at the centre?
(1) intelligent (2) fat (3) fair (4) weak
8. Pointing to a photograph, a woman said. "This man's sister is my mother-in-law." How is the woman's husband related to the man in the photograph?
1) grandson (2) nephew (3) son (4) son-in-law
9. A is the uncle of B, who is the daughter of C and C is the daughter-in-law of P. How is A related to P?
(1) brother (2) son (3) son-in-law (4) data inadequate

Directions: Q.No.10 – 11: there is a specific relations between first two figures A and B. Establish the same relationship between the set of figures C and D and select the correct figure amongst the four alternatives:

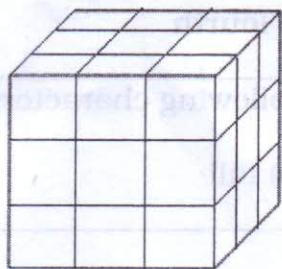
10.



11.



Directions: (Questions 12 – 14): A wooden cube is painted blue on all the four adjoining sides and green on the top and the bottom sides. It is then cut at equal distances at right angles as shown in the figure. Study the diagram carefully and answer the questions given below:



12. How many cubes will have one face painted only in blue?

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

13. How many cubes will have one face painted only in green?

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

14. How many cubes will have no face painted?

- (1) 1 (2) 2 (3) 3 (4) 0

