

## SAMPLE PAPER SYLLABUS 2019-20



**PATTERN & MARKING SCHEME** 

(3) Everyday

Mathematics

10

1

(2) Mathematical

Reasoning

20

1



Time : 1 hr.

(4) Achievers

Section

5

3



## MATHEMATICS OLYMPIAD

SYLLABUS

Section – 1 : Verbal and Non-Verbal Reasoning.

**Section – 2**: Sets, Relations and Functions, Principle of Mathematical Induction, Logarithms, Complex Numbers & Quadratic Equations, Linear Inequations, Sequences and Series, Trigonometry, Straight Lines, Conic Sections, Permutations and Combinations, Binomial Theorem, Statistics, Mathematical Reasoning, Limits and Derivatives, Probability, Introduction to 3-D Geometry.

(1) Logical

Reasoning

15

1

Section – 3 : The Syllabus of this section will be based on the Syllabus of Mathematical Reasoning and Quantitative Aptitude.

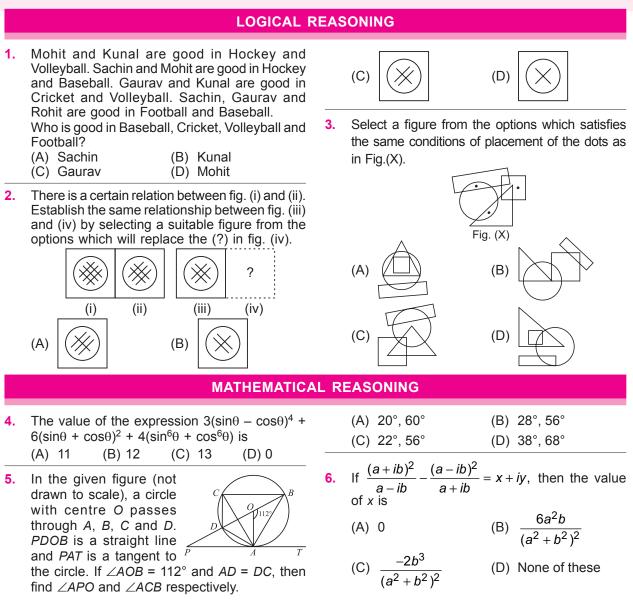
Total Questions : 50

Section

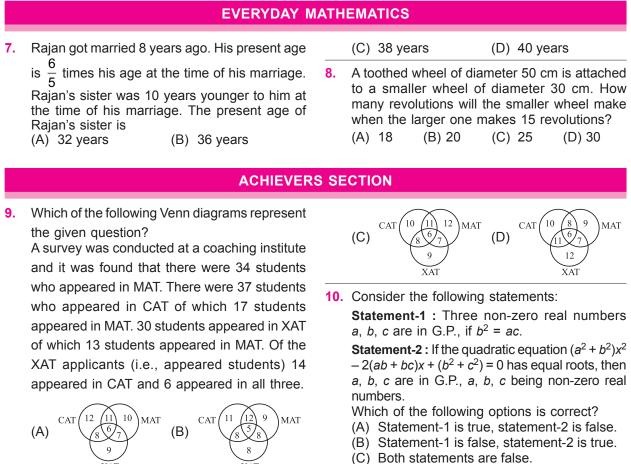
No. of Questions

Marks per Ques.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Section – 2.



1



- (D) Both statements are true.
- (D) Doin statements are true.

SPACE FOR ROUGH WORK

## ANSWERS

1. (C) 2. (C) 3. (C) 4. (C) 5. (C) 6. (A) 7. (C) 8. (C) 9. (A) 10. (D)