

# M.L. Syal's Helix Institute

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## HELIX SCHOLARSHIP CUM ADMISSION TEST FOR 9th FOUNDATION

Test Date : 27-10-2024

(for Students studying in 8th and moving to 9th Foundation Course)

Time Duration : 1 Hr. 50 Min

**HSAT SYLLABUS**

Total Marks : 260

### SCIENCE

Section- A : 36 QUESTIONS (144 MARKS)

- Crop Production & Management
- Micro organisms (Friend and Foe)
- Coal & Petroleum
- Combustion and Flame
- Reproduction in Animals
- Force and Pressure

### MATHEMATICS

Section- B : 20 QUESTIONS (80 MARKS)

- Rational Numbers
  - Linear Equations in One Variable
  - Understanding Quadrilaterals
  - Squares and Square Roots
  - Cubes and Cube Roots
  - Comparing Quantities
- (Percentage, Discounts, Profit or Loss as percentage, Compound Interest, Goods and Service Tax)

### APTITUDE AND LOGICAL THINKING

Section- C : 9 QUESTIONS (36 MARKS)

- Alphanumeric Series
- Directions
- Blood Relations
- Arithmetic Aptitude
- Coding-Decoding
- Age Problems
- Dices

### HSAT PATTERN

- The question paper will be of objective type in pen-paper format using OMR sheet.
- There will be 65 objective type questions. Section-A will have 36 Questions and Section-B will have 20 Questions and Section-C will have 9 Questions.
- Section-A will carry 144 Marks and Section-B will carry 80 Marks and Section-C will carry 36 Marks. Total Question Paper will carry 260 Marks.
- Each question carries 4 marks for correct answer.
- There will be **NO** negative marking.