

**M.L. Syal's Helix Institute**  
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**SYLLABUS OF SCHOLARSHIP cum ADMISSION Test (26-12-2021)–9th Foundation**  
(for Students studying in 8th and moving to 9th)

Duration of Test : 1 hr. 50 minutes

Total Marks : 240

**SCIENCE (Section- A)**

**36 QUESTIONS (144 MARKS)**

- Crop production and management
- Micro organisms (Friend and Foe)
- Materials – Metals & Non-metals
- Coal and Petroleum
- Combustion and flame
- Conservation of Plants and Animals
- Cell (Structure and functions)
- Reproduction in Animals
- Force and Pressure
- Friction
- Sound
- Chemical Effects of Electric Current
- Light

**MATHEMATICS (Section- B)**

**24 QUESTIONS (96 MARKS)**

- Rational Numbers
- Linear Equations in One Variable
- Understanding Quadrilaterals
- Squares and Square Roots
- Cubes and Cube Roots
- Exponents and Powers

**Pattern of test :**

- i. The question paper will be of objective type in ONLINE mode from home.
- ii. There will be **60** objective type questions
- iii. Each question carries **4** marks for correct answer.
- iv. **(–1)** mark will be deducted for incorrect answer.
- v. No mark will be awarded/deducted for unattempted questions.