



International Science  
Olympiad

Total Questions : 50

Time : 65 min

**PATTERN & MARKING SCHEME**

Section	Subjective	HOT'S (High Order Thinking Section)	Logical Reasoning
No. of Questions	30	5	15
Marks per Ques.	1	1	1

**SYLLABUS**

**Section - 1 :** Biological Diversity, Structure of cell, Respiration, Properties of substance. Structure of an atom, Metal and non-metal, Chemical reaction, Atmospheric pressure, Light, Energy and its forms, Soil and agriculture, Air and its pollution, Disease, Stars and our solar system

**Section - 2 :** High Order Thinking Question - Syllabus as per Section 1

**Section - 3 :** Series Completion and Alphabet Number, Analogy, Coding and Decoding, Blood Relations, Direction Sense, Logical Venn Diagrams, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking

**Science**

01. Which of the following is true of the colorless plastid and its function?
  - a. Chloroplasts perform respiration
  - b. Leucoplast performs circulation
  - c. Leucoplast helps in food storage
  - d. Chromoplast helps to form chlorophyll
02. Identify the base used in making antacids?
  - a. Calcium hydroxide
  - b. Sodium hydroxide
  - c. Magnesium hydroxide
  - d. Barium oxide

**High Order Thinking Section**

03. Aluminium foil is used for wrapping food. on which property it is used?
  - a. Density
  - b. Malleability
  - c. Ductility
  - d. Strength

**Logical Reasoning**

04. Choose the most appropriate description about these three words.  
Michigan: Baikal : Nicaragua
  - a. They are names of lakes
  - b. They are names of cities
  - c. They are countries of Europe
  - d. They are good trading centre
05. The age of Amit is as same as Sumit because they are twins, Richa is younger than Sumit, Richa is younger than Jyotsna but elder than Saurabh, Sumit is younger than Jyotsna. Who is the eldest among them?
  - a. Amit
  - b. Jyotsna
  - c. Richa
  - d. Saurabh