

## Introduction

Science Olympiad Foundation (SOF) is a Registered Not-For-Profit Organization Popularising Computer, Science, Mathematics and English Education among school children. In the present times when the world is totally pivoted on science and IT, it is pertinent to think and plan about the future - a future in which the children of the present shall be the leaders of tomorrow. Regular qualitative and quantitative assessment needs to be done at the national level in order to build up the scientific and IT talent pool. It is in this sphere that the role of SOF has been much appreciated over these last few years, so much so that highly reputed organizations like WIPRO, LG, Reliance, Aakash Institute, Vidyalankar Dnyanapeeth Trust, Resonance and MTG Learning Media have volunteered to support SOF's various programmes.

## SOF MISSION

- The key to having a large, exclusive scientific and IT talent pool for the future is seeking out, identifying young geniuses and providing them with a unique competitive platform where they can prove themselves. To further this cause SOF endeavors to:
  - Identify and nurture future scientists, technologists and IT talent at school level.
  - Encourage students' participation in national/international science and IT competitions/programmes/events
  - Instill a feeling of belonging to national and global science and IT fraternity.
  - Infuse a healthy competitive spirit through reward based Contests/Olympiads.
  - Bring about a transformation in the classroom approach to science and IT to make it more interactive, practical and innovative.
  - Disseminate knowledge and information on the latest developments in science and technology.
  - Project SOF as a Centre of Excellence that could cater to different schooling institutions in the areas of methodical research, new educational tools, special publications and expert advice.

The National Science Olympiad is conducted in two levels:

Level 1: The first level of the test is organized in the respective schools of the participants during school hours.

- i. The level 1 competition is a written objective-type test of 60 minutes duration comprising 50 objective-type (Multiple Choice) questions for class 5 to class 12.
- ii. The question paper consists of:
  - (a) Logical reasoning (b) Science (c) Achiever's Section for Class 1 to Class 10
- iii. There are separate question papers for each class.
- iv. The medium of the test is English.
- v. CBSE, ICSE/ISC and State Board syllabus is followed for setting the test papers.
- vi. The exam is conducted during school hours.

Level 2: The qualifiers to second round would include the following:

- Top 5% of candidates class wise that appear for the 1st level exam. Due weightage to marks scored in different sections will be given. Each section is accorded separate weightage.
- Statewide top 10 rank holders class wise.
- Class topper where at least 10 students from a class appear in the exam & scores 75% qualifying marks.

#### NSO Pattern of Questions and Marking Scheme (Level 1)

Section	No. of Questions	Marks/Question	Total Mark
Logical Reasoning	10	1	10
Science	25	1	25
Achievers Section	5	3	15
<b>Grand Total</b>	50		60

#### NSO Pattern of Questions and Marking Scheme (Level 2)

Section	No. of Questions	Marks/Question	Total Mark
Science	45	1	45
Achievers Section	5	3	15
<b>Grand Total</b>	50		60

#### Syllabus

Total Questions: 50

Time: 1 hour

##### Section – 1: Logical Reasoning

Verbal and Non-Verbal Reasoning.

##### Section – 2: Science

Crop Production and Management, Microorganisms, Synthetic Fibres and Plastics, Metals and Non-metals, Coal and Petroleum, Combustion and Flame, Conservation of Plants and Animals, Cell, Reproduction in Animals, Force and Pressure, Friction, Sound, Chemical Effects of Electric Current, Some Natural Phenomena, Light, Stars and Solar System, Pollution of Air and Water.

##### Section – 3: Achievers Section

Higher Order Thinking Questions (Syllabus as per Section – 2)

##### Source:

<http://www.sofworld.org/nso/about-nso-exam/nso-exam-syllabus.html>

<http://www.sofworld.org/nso/nso-exam/how-participate.html>

<http://www.sofworld.org/pattern-questions-and-marking-scheme.html>