



# **NATIONAL SCIENCE OLYMPIAD-II SYLLABUS**

Note: National Junior Science Olympiad has been merged into National Science Olympiad

Paper of National Science Olympiad for class 4<sup>th</sup> to 8<sup>th</sup> Grade will be according to the following pattern;

- Syllabus of the paper will consist on science.
- Paper will be purely from science book.
- Test will be MCQs based from science book only.
- Every student has to prepare from their respective class sciencebook.
- Paper will be from the relevant class and subject.
- You have to prepare for test from science book of your class only.
- Roll Number slips will be issued till 13<sup>th</sup> November, 2023.
- Test dates will be mentioned on roll number slips.
- Test will be online.

### **Test Pattern:**

Class	Book	MCQs	Total Marks	Time ( Minutes)
4th	4 <sup>th</sup> Class Science	70	70	60
5th	5 <sup>th</sup> Class Science	70	70	60
6th	6 <sup>th</sup> Class Science	70	70	60
7th	7 <sup>th</sup> Class Science	70	70	60
8th	8 <sup>th</sup> Class Science	70	70	60

There are four subjects for science contest of **9<sup>th</sup> to master level** students. Candidates can participate in more than one category by submitting new application for each subject and they need to pay registration fee for each category individually.

- Physics
- Chemistry
- Computer Science
- Biology

Paper pattern for each subject is given below:

### **Physics Paper:**

For those who select to participate in physics test, Paper of National Science Olympiad will be according to the following pattern;

- Syllabus of the paper will consist of physics.
- Paper will be purely from physics book.
- Test will be MCQs based from physics book only.
- Every student has to prepare from their respective class physics book.
- Paper will be from the relevant class and subject.
- You have to prepare for test from physics book of your class only.
- Roll Number slips will be issued till 13<sup>th</sup> November, 2023.
- Test dates will be mentioned on roll number slips.
- Test will be online.

### **Test Pattern:**

<b>Class</b>	<b>Book</b>	<b>MCQs</b>	<b>Total Marks</b>	<b>Time ( Minutes)</b>
9 <sup>th</sup>	9 <sup>th</sup> Class Physics	70	70	60
10 <sup>th</sup>	10 <sup>th</sup> Class Physics	70	70	60
11 <sup>th</sup>	11 <sup>th</sup> Class Physics	70	70	60
12 <sup>th</sup>	12 <sup>th</sup> Class Physics	70	70	60
O/A-Levels	From their Physics Book	70	70	60
DAE	From their Physics Book	70	70	60
Category-III (NSO-III)	General Physics	70	70	60

### **Chemistry Paper:**

For those who select to participate in chemistry test, Paper of National Science Olympiad will be according to the following pattern;

- Syllabus of the paper will consist of chemistry.
- Paper will be purely from chemistry book.
- Test will be MCQs based from chemistry book only.
- Every student has to prepare from their respective class chemistry book.
- Paper will be from the relevant class and subject.
- You have to prepare for test from chemistry book of your class only.
- Roll Number slips will be issued till 13<sup>th</sup> November, 2023.
- Test dates will be mentioned on roll number slips.
- Test will be online.

### **Test Pattern:**

<b>Class</b>	<b>Book</b>	<b>MCQs</b>	<b>Total Marks</b>	<b>Time ( Minutes)</b>
9 <sup>th</sup>	9 <sup>th</sup> Class Chemistry	70	70	60
10 <sup>th</sup>	10 <sup>th</sup> Class Chemistry	70	70	60
11 <sup>th</sup>	11 <sup>th</sup> Class Chemistry	70	70	60
12 <sup>th</sup>	12 <sup>th</sup> Class Chemistry	70	70	60
O/A-Levels	From their Chemistry Book	70	70	60
DAE	From their Chemistry Book	70	70	60
Category-III (NSO-III)	General Chemistry	70	70	60

### **Computer Science Paper:**

For those who select to participate in Computer Science test, Paper of National Science Olympiad will be according to the following pattern;

- Syllabus of the paper will consist of Computer Science.
- Paper will be purely from Computer Science book.
- Test will be MCQs based from Computer Science book only.
- Every student has to prepare from their respective class Computer Science book.
- Paper will be from the relevant class and subject.
- You have to prepare for test from Computer Science book of your class only.
- Roll Number slips will be issued till 13<sup>th</sup> November, 2023.
- Test dates will be mentioned on roll number slips.
- Test will be online.

### **Test Pattern:**

<b>Class</b>	<b>Book</b>	<b>MCQs</b>	<b>Total Marks</b>	<b>Time ( Minutes)</b>
9 <sup>th</sup>	9 <sup>th</sup> Class Comp. Science	70	70	60
10 <sup>th</sup>	10 <sup>th</sup> Class Comp. Science	70	70	60
11 <sup>th</sup>	11 <sup>th</sup> Class Comp. Science	70	70	60
12 <sup>th</sup>	12 <sup>th</sup> Class Comp. Science	70	70	60
O/A-Levels	From their Comp. Science Book	70	70	60
DAE	From their Comp. Science Book	70	70	60
Category-III (NSO-III)	General Comp. Science	70	70	60

### **Biology Paper:**

For those who select to participate in Biology test, Paper of National Science Olympiad will be according to the following pattern;

- Syllabus of the paper will consist of Biology.
- Paper will be purely from Biology book.
- Test will be MCQs based from Biology book only.
- Every student has to prepare from their respective class Biology book.
- Paper will be from the relevant class and subject.
- You have to prepare for test from Biology book of your class only.
- Roll Number slips will be issued till 13<sup>th</sup> November, 2023.
- Test dates will be mentioned on roll number slips.
- Test will be online.

### **Test Pattern:**

<b>Class</b>	<b>Book</b>	<b>MCQs</b>	<b>Total Marks</b>	<b>Time ( Minutes)</b>
9 <sup>th</sup>	9 <sup>th</sup> Class Biology	70	70	60
10 <sup>th</sup>	10 <sup>th</sup> Class Biology	70	70	60
11 <sup>th</sup>	11 <sup>th</sup> Class Biology	70	70	60
12 <sup>th</sup>	12 <sup>th</sup> Class Biology	70	70	60
O/A-Levels	From their Biology Book	70	70	60
DAE	From their Biology Book	70	70	60
Category-III (NSO-III)	General Biology	70	70	60



# **NATIONAL MATH OLYMPIAD SYLLABUS**

Paper of National Mathematics Olympiad will be according to the following pattern;

- Syllabus of the paper will consist on math.
- Paper will be purely from mathematics book.
- Test will be MCQs based from math book only.
- Every student has to prepare from their respective class math book.
- Paper will be from the relevant class and subject.
- You have to prepare for test from math book of your class only.
- Roll Number slips will be issued till Monday, 13<sup>th</sup> November, 2023.
- Test dates will be mentioned on roll number slips.
- Test will be online.

### **Test Pattern:**

<b>Class</b>	<b>Book</b>	<b>MCQs</b>	<b>Total Marks</b>	<b>Time ( Minutes)</b>
4 <sup>th</sup>	4 <sup>th</sup> Class Math	70	70	60
5 <sup>th</sup>	5 <sup>th</sup> Class Math	70	70	60
6 <sup>th</sup>	6 <sup>th</sup> Class Math	70	70	60
7 <sup>th</sup>	7 <sup>th</sup> Class Math	70	70	60
8 <sup>th</sup>	8 <sup>th</sup> Class Math	70	70	60
9 <sup>th</sup>	9 <sup>th</sup> Class Math	70	70	60
10 <sup>th</sup>	10 <sup>th</sup> Class Math	70	70	60
11 <sup>th</sup>	11 <sup>th</sup> Class Math	70	70	60
12 <sup>th</sup>	12 <sup>th</sup> Class Math	70	70	60
O/A-Levels	From Their Math Book	70	70	60
DAE	From Their Math Book	70	70	60
NMO-IV	Calculus	70	70	60