

## VIDYARTHI VIGYAN MANTHAN (VVM) 2021-22

### Evaluation Scheme for State Level Exam (SLE)

The second component of the evaluation of Vidhyarthi Vigyan Manthan (VVM) after screening the First Level ONLINE Exam is State Level Camp (SLC). Due to nationwide lockdown, we are having an online exam so this year it is called **State Level Exam (SLE)**. All the selected students for SLC have successfully cleared the first round and have demonstrated their excellence through an online written examination. The team VVM congratulates all the successful candidates for their success. Keeping in mind the current pandemic situation due to Covid-19, the SLE's will be organized online. The total duration of the SLE will be **2 Hrs.**

The date and time will be published on the home page of VVM's website. The same will be communicated to the students by their state coordinator/s as well.

Students will require two devices (both may be mobiles or laptops or tablets or any combination of two). One device for writing exam with VVM State Camp Exam 2021-22 App and another device for attending meeting through VVM Meeting State Camp 2021-22 App for observation purposes. For remaining guidelines for the conduct of examination check the other attachment. In the Online State Level Examination students will be given an opportunity to showcase their talent under the following Groups of activities.

The SLE will have the components as given in the table:

S. N.	Component/Sections	Duration	Weightage
1	A. Application Oriented Scholastic Aptitude Test (AOSAT) questions from Physics, Chemistry, Biology, and Math, based on NCERT syllabus	40 minutes	20% (20 Marks)
	B. Indian Contribution and Advancement in Science and Technology (ICAST): <b>The details and a brief write-up are given in annexure-A.</b>		30% (30 Marks)
2	Experimental Skill Test (EST) in Physics, Chemistry, Biology and Math, based on academic knowledge of NCERT of respective class	60 minutes	40% (40 Marks)
3	Analysis of Scientific Video (ASV)	20 minutes	10% (10 Marks)

#### 1. Application Oriented Scholastic Aptitude Test (AOSAT) and Indian Contribution and Advancements in Science and Technology (ICAST)

It is an App-based online test where participants will be provided with Multiple Choice Questions (40 minutes duration). This question paper has two parts

- (i) Questions on the subject (20%): questions from Physics, Chemistry, Biology and Math will be there. These questions will be based on the NCERT curriculum of the respective classes.
- (ii) Indian Contribution and Advancements in Science and Technology (ICAST) (30%): This year, emphasis has been given to knowing the institute of national importance near you. The entire country is grouped into 4 zones viz. East Zone, West Zone, North Zone and South Zone. The students will be asked questions from their zone only. Grouping of Zone, a guideline, and suggestive reading materials and links are given in the annexure-A.

All the questions in science and math will be based on the NCERT curriculum in the respective group. The students will be divided into two groups viz. Junior Group (Class VI, VII, and VIII) and Senior Group (Class IX, X, and XI). There will be separate papers for Junior and Senior groups.

## 2. Experimental Skill Test (EST) in Physics, Chemistry, Biology, and Math

Video on performing Hands-on-activity (5-7 minutes) based on contents of NCERT curriculum of the respective classes in Physics, Chemistry, Biology, and Math will be given and MCQs based on these videos will be asked.

Students will be given adequate time (video can be viewed a maximum of 2 times) to watch the video, note down data, and do the calculation/analysis for each subject. Students will be given 15 min time to watch the video of each subject and answer questions based on that. A total of 60 minutes will be given to complete all 4 activities.

*For 11<sup>th</sup> class students, the weightage of Math or Biology will be doubled and they will have to attempt only one of them depending on their choice.*

**(Use headphones to listen to the audio)**

## 3. Analysis of Scientific Videos (ASV):

A scientific documentary or video displaying a scientific phenomenon will be shown to the students. Students will have to observe the video. MCQ-type questions based on the science involved or scientific principle will be asked.

**(Use headphones to listen to the audio)**

**As mentioned on the previous page, there will be Three Sections in the State Level Examination. Students will have to complete each section in the stipulated time. It may be noted that if any student completes any of the section before time, there will be no**

**carry forward in the remaining time of that section. Switching between these sections will also not be possible/allowed.**

Maximum marks of SLE will be 100. Out of these, 50 marks will be given to **AOSAT & ICAST**, 40 marks to **EST**, and 10 marks to the **ASV**.

The result of the State Level Examination and the list of students selected for the National-Level Camp will be declared in the last week of February 2022.



**Dr. Neeru Bhagat**  
Academic Head



**Dr. Brajesh Pandey**  
Controller of Examination

