

## **VIDYARTHI VIGYAN MANTHAN (VVM) 2020-21**

### **Evaluation Scheme for National Level Examination (NLE)**

Final component of evaluation of Vidyanrthi Vigyan Manthan (VVM) after State Level ONLINE Exam is National Level Camp (NLC). Due to nationwide lockdown, we are having online exam so this time it is called **National Level Exam (NLE)**. All the selected students for NLE have successfully cleared the first and second round and have demonstrated their excellence through both the online examinations. The team VVM congratulates all the successful candidates for their success.

Keeping in mind the current pandemic situation due to Covid-19, the NLE's will be organized online. Total duration of the examination will be **2 Hrs 10 Minutes**. There will be a **One Day Online National Level Examination on Sunday, May 30, 2021** for all the selected students for national camp.

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

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

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

It is 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 subject (20%): questions from Physics, Chemistry, Biology and Math will be there. These questions will be based on NCERT curriculum of the respective classes.
- (ii) Indian Contribution and Advancements in Science and Technology (ICAST) (20%): This year, the topic for **Junior Group** will be "**OCEANOGRAPHY: Progress and Achievements of India**" and for **Senior Group** the topic will be "**Indian contribution to Atomic Energy and Agriculture**". For more details check the attachment.

All the questions in science and math will be based on NCERT curriculum at the respective group. The students will be divided in 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.

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): Topics assigned are as follows- <b>Topic for Junior:</b> <b>OCEANOGRAPHY:</b> Progress and Achievements of India <b>Topic for Senior:</b> (1) Indian contribution to <b>Atomic Energy</b> (2) <b>Agriculture</b> in Our Country  <i>* Refer to ICAST syllabus attachment as Student need to read more detail about these topics from the resources available on internet.</i>		20% (20 Marks)
2	Experimental Skill Test ( <b>EST</b> ) in Physics, Chemistry, Math and Biology based on academic knowledge of NCERT of respective class	80 minutes	40% (40 Marks)
3	Online Personal Interaction ( <b>OPI</b> )	10 minutes	20% (20 Marks)

## 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, Math and Biology will be given and MCQs based on this video will be there.

Students will be given adequate time (video can be viewed maximum for 2 times) to watch the video, note down data and do the calculation/analysis for each subject. Students will be given 20 min time to watch the video of each subject and answer questions based on that. A total of 80 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 the audio)**

## 3. Online Personal Interaction (OPI):

A 10 min online (VVM NLC Meeting App) personal interaction will be conducted to evaluate your understanding about research and its benefit to the society. Keeping in


mind the time constraint the TOPICS to be focused for Junior and Senior level are given in the ICAST syllabus attachment.

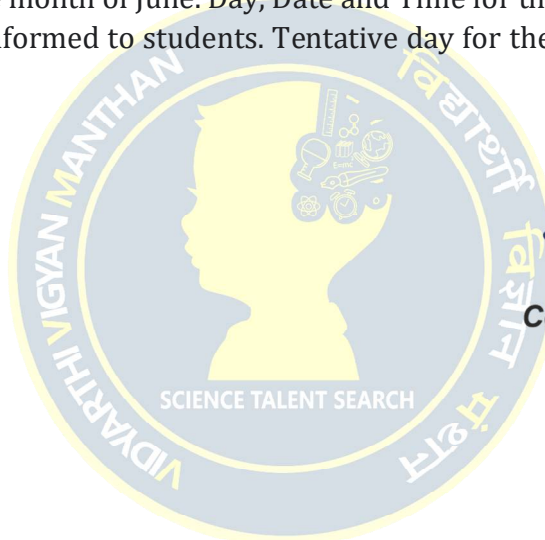
Students are suggested to read about these TOPICS from the resources available or internet. No separate reading materials will be given under this category.

**As mentioned, there will be Three Sections in the National Level Examination. Two section will be online and have to complete within 2 hr. The third component 'online Personal Interaction (OPI) will be conducted separately. A detailed schedule will be provided to the students by May 20, 2021.**

Maximum marks of NLE will be 100. Out of these, 40 marks will be given to **AOSAT & ICAST**, 40 marks to **EST** and 20 marks to the **OPI**.

The result of online National Level Examination i.e., Himalayans and the list Zonal winners will be announced in the month of June. Day, Date and Time for the same will be updated on the website as well as informed to students. Tentative day for the same is Sunday, 13 June, 2021.

  
**Dr. Neeru Bhagat**  
**Academic Head**



  
**Dr. Brajesh Pandey**  
**Controller of Examination**