

VIDYARTHI VIGYAN MANTHAN (VVM) 2021-22

Evaluation Scheme for National Level Camp (NLC)

The final component of the evaluation of Vidyarthi Vigyan Manthan (VVM) after the State Level ONLINE Exam is National Level Camp (NLC). We are happy to inform you that this year we will meet physically and conduct National Level Camp on May 28-29, 2022 at IIT BHU. All the selected students for NLC have successfully cleared the first and second rounds and have demonstrated their excellence through both the online examinations. The Team VVM congratulates all the successful candidates for their success.

The National Level Camp will be conducted physically in TWO days. The NLC will start at 9:00 AM on May 28, 2022, and the Himalayans and other winners will be declared on May 29, 2022, by 6:00 PM. The program will start with registration followed by the inauguration and will end with a valedictory and winner declaration function. There is only one National Level Camp for all the selected students.

Students will be required to reach IIT BHU latest by the Morning (before 08:00 AM) of Saturday, May 28, 2022 and can plan to return in the evening (after 06:00 pm) of Sunday, May 29, 2022. For remaining guidelines for the conduct of the camp, also check the other attachment. the National Level Camp will give an opportunity to students to showcase their talent under the following Groups of activities.

The NLC 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 will be a paper pen examination and will be conducted in THREE parts. Details of the examination will be as follows

- (i) **Questions on the subject (10%):** A thought provoking, situation-based problem from the application of science and Mathematics will be there. The problem will be based on the NCERT curriculum of the respective classes.
- (ii) **Indian Contribution and Advancements in Science and Technology (ICAST) (20%):** This year, the topic for the junior group will be two Institutes of Repute “Banaras Hindu University, Varanasi & Hindustan Aeronautics Limited, Bengaluru” and “contract farming: Indian Scenario” and for the senior group the topic will be “Year of Millets” and “Artificial Intelligence”.
- (iii) **Personal Interaction (15%):** A personal interaction of 5-7 min will be conducted under ICAST to understand the personality of students. The topic for the Junior Group is: “understanding the dieting and *rutucharya*” and “Electrical Vehicles new opportunity and challenge” and for the Senior Group is: “Concept of time and calendar in Indian perspective” and “Patanjali Yog Sutra”.

All the questions in science and math will be based on the NCERT curriculum for 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.

S. N.	Component/Sections	Duration	Weightage
1	A. Application Oriented Scholastic Aptitude Test (AOSAT): A thought-provoking, situation-based problem of science and Mathematics based on the NCERT syllabus	50 minutes	10% (10 Marks)
	B. Indian Contribution and Advancement in Science and Technology (ICAST): Contributions of the premier institutions of India The topic for Junior Group: (1) Banaras Hindu University, Varanasi & Hindustan Aeronautics Limited, Bengaluru (2) Contract Farming Indian Scenario The topic for Senior Group: (1) Year of Millets (2) Artificial Intelligence * Download the short write-up placed on website related to same. Student need to read more detail about these institutions from their website.	20 minutes	20% (20 Marks)
	C. Personal Interaction: The topic for the junior group is: “understanding the dieting and <i>rutucharya</i> ” and “Electrical Vehicles new opportunity and challenge”: and for the senior group is: “Concept of time and calendar in Indian perspective” and “Patanjali Yog Sutra”	5 – 7 min	15 % (15 Marks)
2	Experimental Skill Test (EST) in Physics, Chemistry, Biology, and Math, based on academic knowledge of NCERT of the respective class	50 minutes for each subject	40% (40 Marks)
3	Creative writing: The topic will be given on the spot to write in the limited word about the topic. The broad area is given in the annexure.	50 minutes	5 % (5 Marks)
4	Leadership Quality:	50 minutes	10 % (10 Marks)

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

Hands-on experiments in Physics, Chemistry, Biology, and math will be given as individual activities. Students need to perform the activity and do all necessary calculations/graph plotting within 50 minutes.


For 11th 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.

3. **Creative Writing:** Broad topic for expressing the creativity of students will be given in the first week of May 2022. The final topic to write a small essay will be given during the final exam. A total of 50 minutes' time will be given to express their views.
4. **Leadership Quality:** This will be a group activity. The group may consist of 5-6 students. The leadership quality will be judged by the activity. The mode and evaluation criteria will be given during the examination. The total time allotted for this activity is 50 min.

As mentioned there are 4 sections of the evaluation. The ICAST test will be conducted just after the inauguration. There will be two evaluation sessions (4 hours each) in addition to the ICAST test. In one of the 4-hours sessions, the Experimental Skill Test (EST) will be conducted while all other components will be conducted in another 4-hours session. A detailed evaluation schedule will be given at the time of registration on May 28, 2022.

Maximum marks of NLC will be 100. Out of these, 45 marks will be given to **AOSAT & ICAST** and **Personal Interaction**, 40 marks to **EST**, 5 marks to **Creative Writing**, and 10 marks to **Leadership Quality**.

The result of the National Level Examination i.e., Himalayans, and the list of Zonal winners will be announced on the 2nd day of the camp i.e. May 29, 2022.


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