

EVALUATION SCHEME FOR STATE LEVEL CAMP (SLC) OF VIDYARTHI VIGYAN MANTHAN (VVM)-2025-26

Heartiest Congratulations. The team VIDYARTHI VIGYAN MANTHAN (VVM) congratulates all the successful students for their accomplishment in the Level-I & Level-II online Exams. It is evident that all the selected students for SLC have successfully cleared the Level-I & Level-II exams and have demonstrated their excellence through the online MCQ examinations. The Level-III exam of Vidyarthi Vigyan Manthan (VVM) is a one/two-day camp, i.e. State Level Camp (SLC). The total exam duration at the SLC will be around **4 hours**.

There will be a one/two-day camp for the selected students in their respective States/UTs. The date and time, along with the venue details, will be published on the home page of VVM's website. The same information will also be communicated to the students by their respective state coordinator(s). In the State Level Camp (Level-III) exam, students will have the opportunity to showcase their talent under the following Groups of activities.

The SLC 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 the VVM (NCERT and various state boards) syllabus	40 minutes	20% (20 Marks)
	B. Indian Contribution and Advancement in Science and Technology (ICAST): Based on the Topics mentioned below 10 MCQ questions (1 mark each) and a Crossword Puzzle having 10 words (1 mark each) will be asked. Group-I (VI & VII) Topic : Hydrology Group-II (VIII & IX) Topic : Ethnobotany Group-III (X & XI) Topic : Astrophysics in the Indian context The details of the topics and their scope along with suggestive references are given in Annexure-A . Students will have to search and prepare on their own. No study material will be provided for the same.		20% (20 Marks)
	C. Indian Knowledge Systems (IKS): A video based on Indian Knowledge Systems will be played		10% (10 Marks)
	Out-of-Box Activity: Some type of Sudoku/ Crossword Puzzle/Kakuro Puzzle will be given to solve	20 minutes	10% (10 Marks)
3	Experimental Skill Test (EST) in Physics, Chemistry, Biology and Math, based on academic knowledge of NCERT and various state boards of the respective class	120 minutes	40% (40 Marks)

1. Application Oriented Scholastic Aptitude Test (AOSAT) (20 Marks)

It will be a paper-pen test in which students are required to solve some questions, may have to plot graphs of given data, and interpret them to draw conclusions. The duration of this part is 20 minutes.

These questions will be based on the VVM (NCERT and various state boards) curriculum of the respective classes. 5 Marks questions on each Physics, Chemistry, Biology, and Math will be there. Students of class 11 can attempt questions only from Math or Biology or both. In that case, they will have to attend the EST Exam of the same subject(s).

All the questions in science and math will be based on the VVM (NCERT and various state boards) 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 each class. *For 11th-class students, the weightage of Math or Biology will be doubled if they attend only one subject out of Math and Biology, and they will have to attempt the same subject in the Experimental Skill Test.*

2. Indian Contribution and Advancements in Science and Technology (ICAST) (20 Marks)

It will be a paper-pen examination, and questions will be in the form of MCQs. The total duration of this part is 20 minutes.

Group-I (Class VI and VII) - Hydrology is the scientific study of water, how it moves, stores, and transforms in the environment, and it is central to India's ambition to become self-reliant in managing its most critical resource. Water sources in India include surface water (rivers, lakes, reservoirs), groundwater (aquifers), precipitation (rainfall and snow), and springs.

Extreme weather — such as floods, droughts, and changing monsoon patterns — coupled with human activities like over-extraction, land-use change, and pollution, exerts severe stress on these water resources. Climate change intensifies these impacts, altering hydrological cycles and reducing the predictability of water availability.

Group-II (Class VIII & IX) - Ethnobotany is the study of traditional plants used by indigenous people, focusing on the historical and contemporary relationships between these societies and the vegetation around them. This field explores ancient knowledge about the traditional uses of plant resources, which can be employed to enhance tribal development. Modern ethnobotany involves the systematic documentation of local culture, climate, biodiversity, and traditions, as well as an analysis of resources for sustainable utilisation. It serves as a crucial tool that merges traditional knowledge with modern science to protect the Earth while exploring nature. India is renowned for its rich biodiversity, alongside a wealth of literature and folklore that provides valuable insights into the various uses of plants, including food, shelter, medicine, and art.

The Government of India has initiated various programs to study the ethnobotanical

aspects of this diverse country and safeguard this knowledge by establishing the Traditional Knowledge Digital Library (TKDL). Overall, ethnobotany is a promising field of research that supports sustainable existence.

Group-III (Class X and XI) - Astrophysics is the branch of science that studies the physical nature of celestial objects and the phenomena that occur in the universe. It applies the laws of physics and mathematics to understand stars, planets, galaxies, black holes, and the cosmos as a whole.

India has an active, diversified astrophysics programme spanning observational (radio, optical/IR, X-ray/UV), theoretical, and instrumentation work. Research is carried out at national institutes and university centres, often in close partnership with ISRO and international collaborations; recent high-profile strengths include space astronomy (AstroSat), metre-wave radio (GMRT / uGMRT), ground optical/IR facilities (Devasthal), and growing involvement in mega-projects (SKA, LIGO-India).

This year, emphasis has been placed on making Class VI & VII students aware of 'Hydrology', Class VIII & IX students aware of 'Ethnobotany' and Class X & XI students aware of 'Astrophysics in the Indian context'. Based on the Topics mentioned below 10 MCQ questions (1 mark each) and a Crossword Puzzle having 10 words (1 mark each) will be asked. The topics and scope of topics along with the suggestive reading material links are given in **Annexure-A**.

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 each class.

3. Indian Knowledge Systems (IKS) Video (10 Marks):

A video of 15-20 minutes in duration, based on Indian Knowledge Systems, will be screened. Students will have to observe the video carefully. Students will be given 20 minutes to answer the questions based on their observations.

4. Out-of-Box Activity – Sudoku / Crossword / Kakuro Puzzle: (10 Marks):

Students will be given Sudoku-type puzzles to solve within a specified time, and clear instructions will be given to solve it. The total time to complete this part is 20 minutes.

5. Experimental Skill Test (EST) in Physics, Chemistry, Biology, and Math (40 Marks)

Hands-on activity based on the contents of VVM (NCERT and various state boards) curriculum of the respective class. Students will be given 20+5 min for each subject to perform activities in Physics, Chemistry, Biology, and Math, i.e. a total of 120 minutes. All the necessary resources (equipment, reagents, etc.) for performing the Experimental Skill Test will be made available at the SLC venue.

For 11th-class students, the weightage of Math or Biology will be doubled, and they will have the option to attempt only one of them, depending on their choice or based on their selection in the AOSAT Exam.

The maximum marks of SLC examination will be 100. Out of these, 20 Marks for **ICAST**, 20 Marks for **AOSAT**, 10 Marks for **IKS Video**, 10 marks for **Out-of-Box Activity** and 40 marks for **EST**.

The results of the state-level Camp and the list of selected students for the national-level camp will be declared on the same day before 6:00 PM.



Dr. Neeru Bhagat
Academic Head



Dr. Brajesh Pandey
Controller of Examination



Dr. Prashant Kodgire
National Convener