

Evaluation Scheme for State Level Camp (SLC) of VIDYARTHI VIGYAN MANTHAN (VVM)-2024-25

Heartiest Congratulations. The team VIDYARTHI VIGYAN MANTHAN (VVM) congratulates all the successful students for their accomplishment in the First Level ONLINE Exam. It is evident that all the selected students for SLC have successfully cleared the First Level exam and have demonstrated their excellence through the online MCQ examination. The second level 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 Hrs.**

There will be a one/two days camp for the selected students in their respective states. The date and time along with the venue details, will be published on the home page of VVM's website. The same will be communicated to the students by their respective state coordinator/s as well. In the State Level Camp, students will be given an 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 MCQ questions will be asked. Junior Group (VI, VII & VIII) Topic: Harnessing Solar Energy Senior Group (IX, X & XI) Topic: Concept of Immunity in <i>Ayurveda</i> The details of the topics and their scope along with suggestive references are given in <i>Annexure-A</i>. 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		40 Minutes
2	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)
3	Out-of-Box Activity: Crossword Questions / Kakuro Puzzle	20 minutes	10% (10 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 some graphs on 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) curricula 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 Junior and Senior groups. *For 11th-class students, the weightage of Math or Biology will be doubled, 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.

Junior Group (Class VI, VII, and VIII) - Harnessing solar energy in India is crucial due to the country's growing energy needs, abundant sunlight, and commitment to reduced carbon emissions. It is a sustainable, eco-friendly, and renewable resource. Solar power plays a vital role in combating climate change and ensuring energy security. India's journey began with modest projects in the 1970s and made significant progress post-2010 with the launch of the National Solar Mission.

Senior Group (Class IX, X, and XI) - Diseases manifest into abnormal body conditions, which at times can be fatal. Diseases are normally controlled by the use of medical interventions. But it will be ideal if we are resistant or immune to diseases. This concept of immunity was explained thousands of years ago in *Ayurveda*, referred to as *Vyadhikshamatva*. According to *Ayurveda*, immunity is not just about fighting off germs; it is about balancing the body and mind, keeping our inner light bright, and feeling healthy inside and out! An unhealthy lifestyle, inappropriate dietary habits, and a wrong daily regimen (*Dinachrya*) make us susceptible to diseases due to compromised immunity.

This year, emphasis has been placed on making Junior Group students aware of 'Harnessing Solar Energy' and Senior Group students aware of the 'Concept of Immunity in *Ayurveda*'. 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 Junior and Senior groups.

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

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

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

Hands-on activity based on 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.

5. Out-of-Box Activity - Crossword/ Kakuro Puzzle: (10 Marks):

An Integrated Crossword Question and/or Kakuro Puzzle will be provided to the students on paper. They have to complete the Crossword Puzzle based on their knowledge. The total time to complete this part is 20 minutes.

Maximum marks of SLE will be 100. Out of these, 20 Marks for **ICAST**, 20 Marks for **AOSAT**, 10 Marks for **IKS Video**, 40 marks for **EST**, and 10 marks for **Out-of-Box activity**.

The result of the state-level Camp and the list of selected students for the national level Camp will be declared on the same day before 06:00 PM.


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