

VIDYARTHI VIGYAN MANTHAN (VVM) 2023-24

Evaluation Scheme for State Level Camp (SLC)

The second component of the evaluation of Vidarthi Vigyan Manthan (VVM) after screening the First Level ONLINE Exam is State Level Camp (SLC). 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. The total duration of the exam 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 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 1: Chandrayaan - 3 Lunar Mission Topic 2: Santiniketan, West Bengal Senior Group (IX, X & XI) Topic 1: Aditya-L1 Solar Mission Topic 2: Sacred Ensembles of the Hoysalas 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 for the same will be provided.		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	Indian Knowledge Systems based Integrated Crossword Question (IKS-ICQ) - brief write-up about the Indian Knowledge Systems is given in <i>Annexure-B</i>.	20 minutes	10% (10 Marks)

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

It will be a paper-pen test where participants 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 NCERT and various state board 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 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. *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.

Chandrayaan-3 is the third mission in the Chandrayaan programme of ISRO. Our scientists succeeded in the soft landing of Vikram Lander on the surface of the moon and India became the first country in the world to do a soft landing near the south pole of the moon. Aditya-L1 Mission is being carried out by ISRO scientists to study the solar atmosphere, solar magnetic storms, and their impact on the environment around the Earth. It is the first Indian mission dedicated to observing the Sun. Aditya-L1 spacecraft is orbiting at about 1.5 million km from Earth in a halo orbit around the L1 Lagrange point between the Earth and the Sun.

Rabindranath Tagore's "abode of peace" Santiniketan, which embodies the poet's vision of a place of learning that transcends religious and regional boundaries, was officially recognized as a UNESCO World Heritage Site at the 45th session of the World Heritage Committee held in Riyadh in September 2023! The beautiful 13th-century temples of the Hoysala dynasty of Belur, Halebid, and Somnathapura in *Karnataka*, have been included in the World Heritage list of UNESCO in the same session! India boasts 6th rank amongst the top 10 countries with most UNESCO world heritage sites!

So this year, emphasis has been given to making junior group students aware of the 1) Chandrayaan 3 Lunar Mission of ISRO & 2) Rabindranath Tagore's "abode of peace" Santiniketan and topics for Senior Group students are 1) Aditya-L1 Solar Mission of ISRO & 2) Sacred Ensembles of the Hoysalas listed on UNESCO World Heritage Site. 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. They will have to observe the video carefully. Students will be given 20 minutes to answer the questions based on their observation of the same.

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

Hands-on activity based on contents of 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. total of 120 minutes.


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 AOSAT Exam.

5. Indian Knowledge Systems-based Integrated Crossword Question (IKS-ICQ) (10 Marks):

An Integrated Crossword Question will be provided to the students on paper. They will be provided with instructions and hints to complete the Crossword Puzzle based on their knowledge. The total time to complete this part is 20 minutes. A brief write-up (group-wise) regarding the same can be seen in **Annexure B**.

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 **IKS-based ICQ**.

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.


Dr. Neeru Bhagat
Academic Head


Dr. Brajesh Pandey
Controller of Examination


Dr. Prashant Kodgire
National Convener