

VVM - National Level Camp- May 2018

Preamble:

Third and final component of evaluation of Vidyarthi Vigyan Manthan (VVM) is National Level Camp (NLC). All the participants of NLC have successfully crossed first two rounds and have demonstrated their excellence over the others. The organizing team congratulates all the successful candidates for their success.

The aim of this national camp is not only to test their bookish knowledge again but to search and develop their other dimensions of talent. In the national camp students will be given opportunity to showcase their talent under the following Groups of activities

Group A: *Indian contribution to Science (ICS)*: under this activity students are expected to demonstrate their knowledge on Indian Scientist or his/her signature work. **Weightage is 20%**

Group B: *Experimental Skill Test (EST)*: Activities under this group are designed to judge the experimental skills of the students. Scientific understanding and analytical approach will be the main focus of this group. Class wise experimental activity will be there to perform in Physics, Chemistry and Biology. Also, activities are there based on mathematics. **Weightage is 40%**

Group C: *Creativity and Puzzle (CP)*: Mainly two activities will be held in this group. Students will be given material on the spot and they have to make a model with this material in unconventional way. Also, a puzzle will be given to solve. **Weightage is 20%**

Group D: *Out of Box Intelligence (OBI)*: This is one of its own kind of activity. Three different types of activities are included to evaluate the intelligence level of students. In this group, emphasis is given to judge the leadership quality of a student. **Weightage is 20%**

The details about above mentioned activities are given below for each class separately. Students are advised to read the instructions carefully for each group of activities and for their respective class.

It should be noted that evaluation of students is based on their individual performance. Student will be awarded some mark in each activity. However, there will be a relative weightage between all the groups.

Note: Medium of instruction and presentation will be English only for National Level Camp 2017-18.

Group A: *Indian Contributions to Science (ICS)*

Written exam (total time 30 minutes, 20 marks)

(For classes 6, 7 and 8)

General instructions for preparation for Indian contribution to science

1. Students will be evaluated individually.
2. Medium of exam will be ENGLISH only.
3. Related material is available on VVM website chapters 2 to 7 ([Click here to view the ICS book](#)).
4. This is a written examination.
5. There will be 10 questions, each of 2 marks, in this written test.
6. Questions will be based on Contribution of Indian scientists in various fields of science.

Group A: *Indian Contributions to Science (ICS)*

Written test (total time 30 minutes, 20 marks)

(For classes 9, 10 and 11)

General instructions for preparation on Indian contribution to science

1. Students will be evaluated individually.
2. Medium of exam will be ENGLISH only.
3. Related material is available on VVM website chapters 2 to 11 ([Click here to view the ICS book](#)).
4. This is a written examination.
5. There will be 10 questions, each of 2 marks, in this written test.
6. Questions will be based on Contribution of Indian scientists in various fields of science.
7. Student will get a paper containing questions about any two scientist by lottery system

Group B: *Experimental Skill Test (EST)*
(For all classes, 6 to 11) (total time 120 minutes, 40 marks)

Experimental skill, scientific understanding and analytical approach will be judged in the following tests

Experimental skills will be tested in

- (i) Physics
- (ii) Chemistry
- (iii) Biology
- (iv) Maths

General instructions:

1. This is an individual activity.
2. A student has to perform experiments in each of the above subjects
3. Student will perform a given experiment and submit their report in given time.
4. Necessary instructions will be given at the time of test.
5. 30 minutes will be given to complete experiments in each subject
6. Maximum 10 marks will be awarded in each subject. A student can obtain maximum up to 40 marks in experimental skill test.

Group C: Creativity and Puzzle

(For ALL classes)

Activity 1: Creativity (total time 60 minutes, 10 marks)

General Instruction:

Everything is theoretically impossible until it is performed. To combine fun with learning and to bring out hidden talent, an activity is designed under Creativity. The hands-on-skill of each individual will be evaluated in this activity.

1. This is an individual activity again.
2. This activity is designed to assess fluidity in the process of solution seeking.
3. Students will be given 60 min to complete the activity.
4. Topics will be given on the spot.
5. Medium of instruction and presentation by student will be in English only.
6. Materials required for the given activity will be displayed. Students will pick up material as per their topic.
7. Instruction will be given before the activity.

Activity 2: Puzzle (total time 30 minutes, 10 marks)

General Instruction:

1. This is an individual activity again.
2. Puzzle will be given on the spot.
3. This activity is designed to evaluate quick thinking ability of student.
4. A Student will be given 30 min to complete the activity.
5. Medium of instruction will be English only.

Group D: Out of Box intelligence

(For all classes) (total time 150 minutes, 20 marks)

Part A: Gaming

General instructions for gaming activity

1. Some well designed game will be played in group
2. Each student will be given an opportunity to participate
3. Instructions and rule of the game will be given by the examiner in the examination
4. Total time for this activity is 30 min.
5. Evaluation may include initiation of the process, getting participation from other students, making the game enjoyable, illustration of purpose of game
6. Medium of instruction and presentation will be English ~~or Hindi~~ only

Part B: Leadership quality

General instructions for Leadership quality

1. This will be a group activity. The group may consist of 5-6 students.
2. There will be activity to judge the leadership quality.
3. The mode and evaluation criteria will be given during the examination.
4. Total time for this activity is 60 min.
5. Medium of instruction and presentation by student will be in English only

Part C: Surprise Game

General instructions for Surprise game

1. This will be an individual activity.
2. Two to three educational mobile games will be given with the mobile device.
3. Students will be evaluated by their performance.
4. Total time for this activity is 60 min.
5. Medium of instruction will be English only