VIDYARTHI VIGYAN MANTHAN 2018-19
NATIONAL CAMP

Dates: 18 & 19 May, 2019

Venue: CSIR-Indian Institute of Chemical Technology
Uppal Road, Tarnaka, Hyderabad, Telangana

EVALUATION SCHEME

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 textbook knowledge but to search and develop their other dimensions of personality. 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 student are expected to demonstrate their knowledge on Indian Scientist or his/her signature work. Total weightage is 35%. Out of this 20% will be written MCQ and 15 % will be personal interaction.

Group B: *Experimental Skill Test (EST)*: under this activities are designed to judge the experimental skill of the student. Scientific understanding and analytical approach will be the main focus. Class wise experimental activity in Physics, Chemistry and Biology are placed to perform. Also, activities are there based on mathematics. Weightage is 45%

Group C: *Creativity and Puzzle (CP)*: Mainly two activities will be held in this group. Students will be given some topic on the spot to write an essay in the allotted time. Also, a puzzle will be given to solve. Weightage is 10%

Group D: *Leadership Quality (LQ)*: Activities are designed to test the leadership quality of student. Activities will be conducted in group of same class to explore the leadership quality of students. Weightage is 10%

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.

Note: *Medium of instruction and presentation will be English only for National Level Camp 2018-19.*

Dr. Brajesh Pandey
Academic Head

Dr. Ajay Mahajan
Controller of Examination

Group A: Indian Contributions to Science (ICS)

ICS (Total Marks 35)

(For all classes)

1. Written Exam (total time 30 minutes, 20 marks)

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 (Link of the ICS book) and Indian mission Mangalyan and Chandrayan
4. This is an MCQ examination.
5. There will be 20 questions, each of 1 mark no negative marking.

2. Personal Interaction (total time 3-5 minutes, 15 marks)

General instructions for preparation for Indian contribution to science

1. Each student will be given a chance to interact (3-5 minutes) with expert team.
2. Students will be evaluated individually.
3. Medium of exam will be ENGLISH only.
4. Information about personal interaction is given in ***Annexure – I.***

Group B: Experimental Skill Test (EST)

(Total time 180 minutes, 45 marks)

(For all classes, 6 to 11)

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

Experimental skill will be tested in

(i) Physics

(ii) Chemistry

(iii) Biology (or Mathematics for 11th class those who don't have biology)

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 allotted time.
4. Necessary instructions will be provided at the time of test.
5. 45 minutes will be given to complete experiments in each subject
6. Maximum 15 marks will be awarded in each subject.

Group C: Creativity and Puzzle

(For ALL classes)

Activity 1: Creativity (total time 40 minutes, 5 marks)

General Instruction:
Writing and thinking skills of student will be judge in this part. Extempore writing is expected in this part.

1. This is an individual activity.
2. This activity is designed to assess writing and thinking ability.
3. Students will be given 40 min to complete the writing.
4. Topic will be given on the spot.
5. Medium of instruction and writing by student will be in English only.
6. Paper will be provided to write, students are advised to bring their writing pad or examination pad.
7. Instruction will be given before test.

Activity 2: Puzzle (total time 40 minutes, 5 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 40 min to complete the activity.
5. Medium of instruction will be English only.

Group D: Leadership Quality

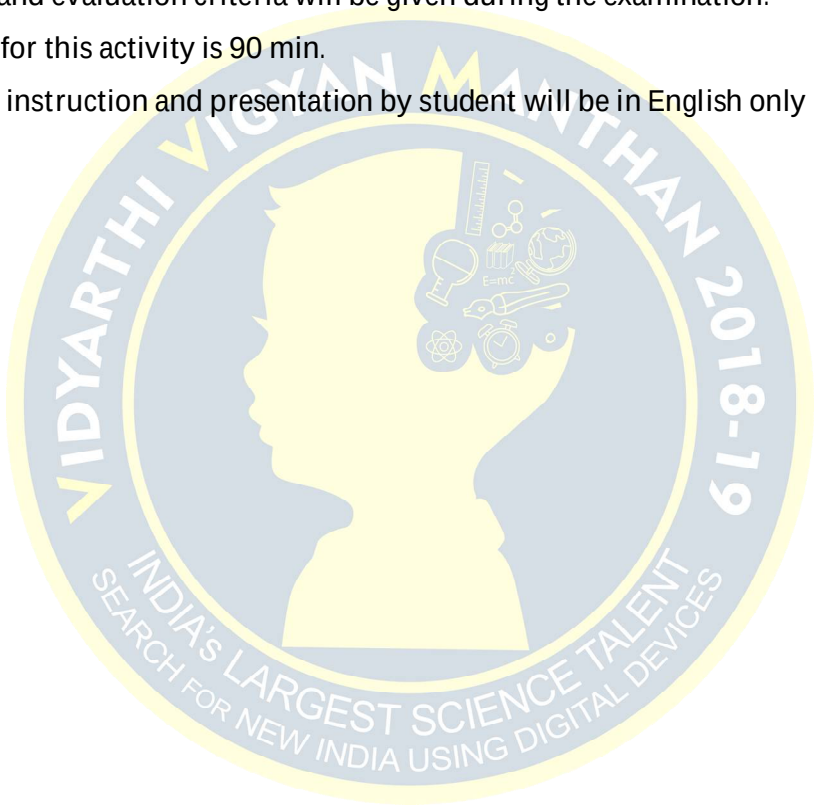
(Total time 90 minutes, 10 marks)

(For all classes)

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 90 min.
5. Medium of instruction and presentation by student will be in English only



Annexure – I

Information about Personal Interaction

During personal interaction, student will be asked questions about following scientists and their indicated contribution to science.

Junior Group

Class	State Rank	Scientist	Contribution
VI	First	Venkatraman Ramakrishnan	Ribosomes
	Second	Panchanan Maheshwari	Plant Tissue Culture
VII	First	Satyendra Nath Bose	Quantum Mechanics
	Second	Birbal Sahani	Paleobotany
VIII	First	Raghunath Mashelkar	Basmati Rice and Turmeric Patents
	Second	M. S. Swaminathan	Green Revolution in India

Senior Group

Class	State Rank	Scientist	Contribution
IX	First	Lalji Singh	DNA Fingerprinting
	Second	Chandrashekhar V. Raman	Raman Effect and its Applications
X	First	J. C. Bose	Radio Waves
	Second	P. C. Mahalanobis	Statistics
XI	First	Hargobind Khorana	Deciphering Genetic Code
	Second	Jayant Narlikar	Hoyle – Narlikar Theory

Note: *No study material will be provided.*