

VIDYARTHI VIGYAN MANTHAN (VVM) 2023-24
18-19 MAY, 2024 (NATIONAL LEVEL CAMP)
IISER BHOPAL, MADHYA PRADESH

Annexure-I

Indian Contribution and Advancement in Science and Technology (ICAST)

SENIOR GROUP

COMPONENT 1: ICAST MULTIPLE CHOICE QUESTIONS

Students will be given 15 minutes to attempt 15 Multiple Choice Questions based on the contributions of the following research institutions of India.

TOPICS FOR MCQS (15 MARKS)	
Topics	Scope of the Topics
Written test based on two research institutes: <ul style="list-style-type: none">• National Innovation Foundation-India (NIF-India), Ahmedabad• CSIR – Institute of Microbial Technology (CSIR – IMTECH), Chandigarh	<ul style="list-style-type: none">• Historical background of the institutes• Areas of research• Significant achievements of the institutes• Patents granted (if any)• Career opportunities in the institute

Suggestive References:

- 1) <https://nif.org.in/>
- 2) <https://www.imtech.res.in/>

COMPONENT 2: PERSONAL INTERACTION

Students will be invited for Personal Interaction (3 to 5 minutes) on “History of Perfumery in India”. The word ‘Perfumery’ refers to the art of making perfumes. Currently, the perfumery Industry in India is estimated to be USD 2000 Million (~ Rs. 10000 Crores) which is about 10% of the world’s market. Government of India is encouraging cultivation of plants that provide raw materials for perfume and essential oils industry as well as there are institutes that run courses in the field.

Students should explore the information about history of perfumery in India on the basis of the scope mentioned below.

PERSONAL INTERACTION (10 MARKS)	
Topic	Scope of the Topic
<ul style="list-style-type: none">• History of Perfumery in India	<ul style="list-style-type: none">• Ancient Indian text related to perfumery• Various processes used by the ancient Indian perfume technologists for making perfumes• The raw material used to make perfumes• Cultivation of the raw material• Present scenario of the perfumery industry in India• Training and job opportunities in perfumery

Suggestive References:

- 1) <https://ijcrt.org/papers/IJCRT2111056.pdf>

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- 2) [Perfumery in Ancient India | PDF | Perfume | Incense \(scribd.com\)](#)
- 3) <https://artsandculture.google.com/story/itr-ancient-indian-knowledge-of-perfumery-national-council-of-science-museums/pgVxuEAUIIOfJw?hl=en>
- 4) https://nbsslup.icar.gov.in/wp-content/uploads/2021/Project_Reports/Land%20Use%20Planning%20for%20Important%20Medicinal%20and%20Aromatic%20Plants%20in%20Karnataka.pdf
- 5) <https://nationalskillindiaimission.in/updates/3077/>

COMPONENT 3: VOCAL FOR LOCAL

Vocal for Local - 'Vocal for Local' is a concept that urges students to support indigenous traditions, customs, products, skills stimulating economic advancement and self-reliance. This component will sensitise them to study and present local skills, specialities and Indian knowledge systems (IKS).

Students should choose **ONE** of the following themes and prepare slide presentation in pdf format with **FOUR SLIDES ONLY**. During NLC students will be given 3 to 5 minutes to present their topic.


VOCAL FOR LOCAL (10 MARKS)	
THEME	
1) Any one language of Indian origin from your state / union territory	
2) Any one textile form from your state / union territory	


Guidelines for preparing slides:

- 1) **Maximum 4 Slides** are to be prepared without any form of *Animation, Gif and Audio-Video*.
 - **First Slide:** Students should mention the theme and the specific topic which they have chosen. Also, they have to mention Student Id, their Class and Name of the State or Union Territory to which they belong to.
 - **Second Slide:** Introduction should include description of Origin/History of the selected topic.
 - **Third Slide:** Importance, relevance and characteristic features should be given.
 - **Fourth Slide:** Present status and the efforts made for conservation or promotion should be described.

Note: *On slide No. 2 to 4 the source of information should be mentioned in one line at the bottom of the slide.*

- 2) All the students should submit their presentations in pdf format (**Name of the file should be your Username/ID e.g. DLXXXXXX**) through Google Form on or before 30th April 2024. **The link to upload file will be provided in the National Camp 2024 WhatsApp group.**
- 3) Students are also advised to keep the printout of the same while traveling for National Camp.


Dr. Neeru Bhagat
Academic Head


Dr. Brajesh Pandey
Controller of Examination


Dr. Prashant Kodgire
National Convener