

**GUIDELINE AND LINKS FOR READING FOR ICAST
STATE LEVEL CAMP EXAMINATION 2022-23**

Motivation:

Students should become aware of the ongoing research and innovations in the field of **Sustainable Development** in various sectors of Science and Technology within our country. They should develop a clear vision of how science is involved in daily life and activities of common man and how it evolves due to deeper scientific research as its base. They should become aware of career opportunities in the areas of pure and applied scientific research and develop a genuine urge to aspire for higher education in these fields.

Under this main theme, we have selected four focussed areas:

1. Food and Agriculture
2. Water and Irrigation
3. Energy Resources
4. Urban and Industrial development

Scope:

The theme and focused areas for the Junior and Senior levels are the same. However, the difficulty level of the questions for the Junior and Senior levels is different. The questions for the Junior level are based on information such as historical background, areas of research, significant achievements of the institutes, and basic scientific concepts which deal with their areas of research etc. On the other hand, for the Senior level, the questions have been set mainly based on the research work taking place in the institutes, higher-level scientific concepts, instrumentation and career opportunities.

A total of EIGHT research institutes have been selected from our country where significant research work in the above-focussed areas is being done. Students are required to read from these sources, no additional reading materials will be provided.

No.	Name of the Institute	Website
1	National Institute of Wind Energy	https://niwe.res.in/
2	Indian Institute of Sustainable Development	https://www.iisdindia.in/
3	Centre for Sustainable Technologies, Indian Institute of Science	https://cst.iisc.ac.in/cst/
4	Central Food Technological Research Institute	https://cftri.res.in/
5	Central Agroforestry Research Institute, Jhansi	https://cafri.icar.gov.in/
6	Central Water and Power Research Station	http://cwprgs.gov.in/

Annexure-A

No.	Name of the Institute	Website
7	Central Pollution Control Board	https://cpcb.nic.in/
8	CISTUP – Indian Institute of Science	https://cistup.iisc.ac.in/CiSTUP_Website/pages/research/ongoing.php


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