

SHIVAJI UNIVERSITY, KOLHAPUR

B. A. I, Sem-I

Generic Elective- I (Compulsory) CGE-18
Science, Technology and Development (STD)

Syllabus

Dr. D. B. Mane



स. ब. खाडे महाविद्यालय, कोपाडे

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Introduction to Science and Technology

1.1 Science and Technology:

Definitions, Nature, Scope

1.2 Fundamental Concepts in Scientific Thinking

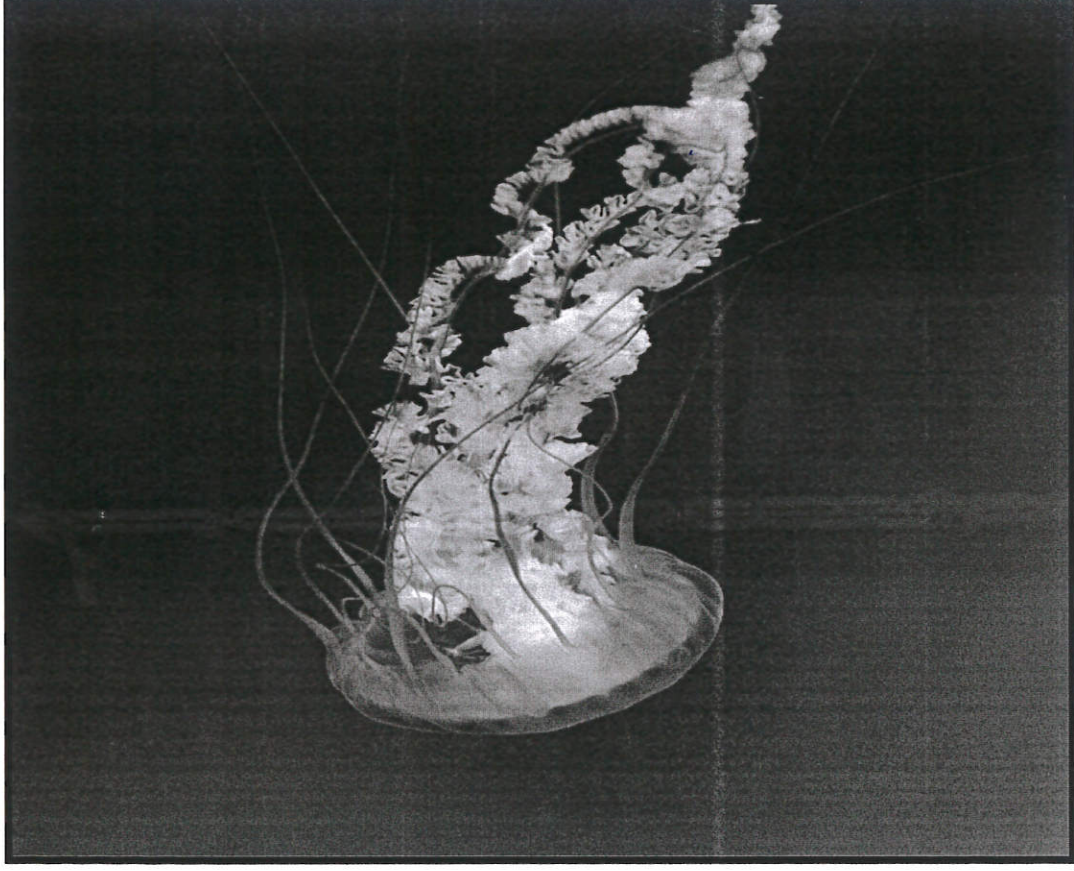
1.3 Stages in the Study of Science

Observation, Experiment-Analysis
Result and Hypothesis.

1.4 Impact on Science and Technology on Society

1.5 Science and Superstitions

1.6 Development of Science and Technology



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Module- II

Contribution of Eminent Scientist in the Development of Science and Technology

2.1 Lui Pascher

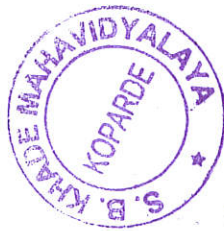
2.2 Einstein

2.3 Edison

2.4 Dr. Homi Bhabha

2.5 Dr. M. S. Swaminathan

2.6 Dr. A. P. J. Abdul Kalam



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Module- III

Non Conventional Power Resources of India

3.1 Importance of Power Resources

3.2 Types of Power Resources

3.3 Non Conventional Power Resources

3.3.1 Solar Energy

3.3.2 Wind Energy

3.3.3 Hydel Power Energy

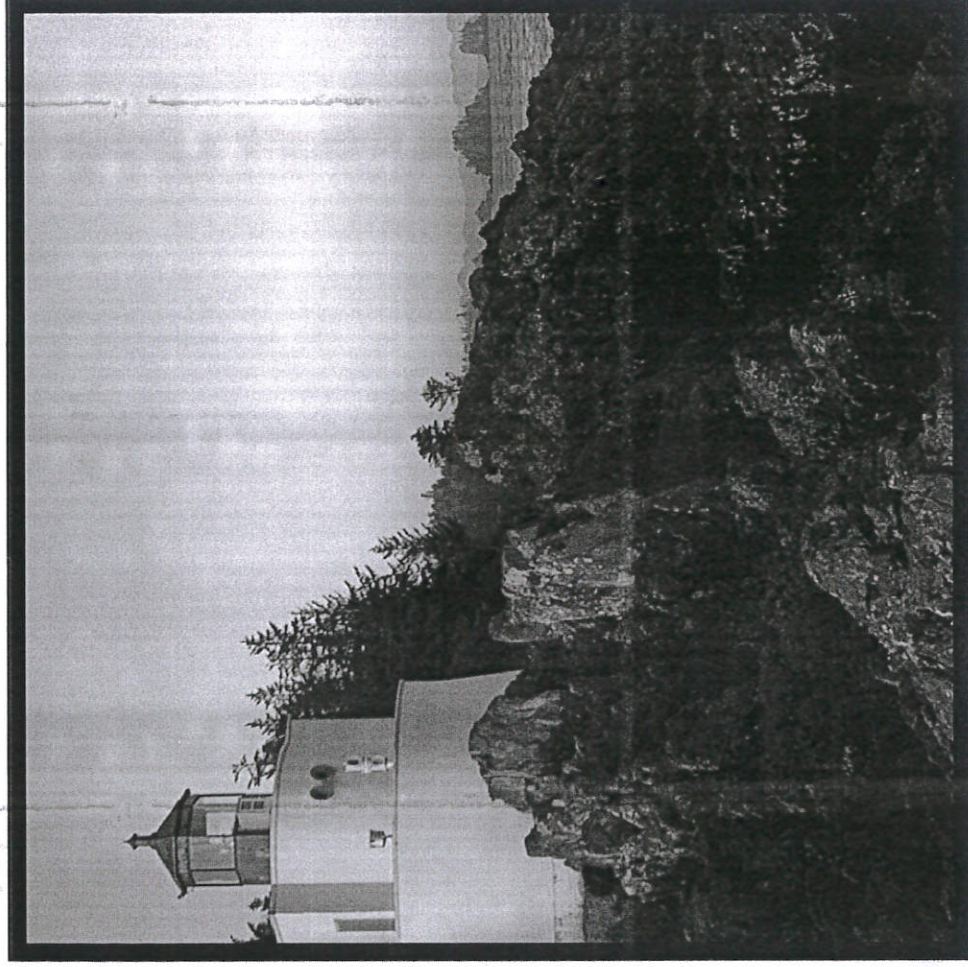
3.3.4 Nuclear Energy,

3.3.5 Bio Energy

3.3.6 Geo-Thermal Energy

3.3.7 Tidal Energy

3.4 Carbon Credit.



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Module- IV

Science, Technology and Human Health

- 4.1 Impact of Science and Technology on Human Health
- 4.2 Human Blood- Blood Groups Importance of Matching Blood Groups in Human Health.
- 4.3 AIDS- A Challenge before World Facts Figures Causes, Effects, Treatment, Social Outlook.
- 4.4 Addiction a Social Problem, Types, Causes, Effects and Solution
- 4.5 Need of Cleanliness: “Swachh



Bharat Abhiyan” (Clean India Mission)

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Thank You



Suresh

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