

FTEAM22 ENVIRONMENTAL EDUCATION

UNIT-1 RATIONALE

- 1.1 Education about environment protection is a must for all the citizens.
- 1.2 In addition, a diploma holder must have knowledge of different types of pollution caused by industries and construction activities so that he may help in balancing the eco system and controlling pollution by adopting pollution control measures.
- 1.3 He should also be aware of environmental laws related to the control of pollution.

UNIT-2 DETAILED CONTENTS

- 2.1 Definition, Scope and Importance of Environmental Education
- 2.2 Basics of ecology, biodiversity, eco system and sustainable development
- 2.3 Sources of pollution - natural and manmade, causes, effects and control measures of pollution (air, water, noise, soil, radioactive and nuclear) and their units of measurement
- 2.4 Solid waste management – Causes, effects and control measures of urban and industrial waste
- 2.5 Mining and deforestation – Causes, effects and control measures
- 2.6 Environmental Legislation - Water (prevention and control of pollution) Act 1974, Air (Prevention and Control of Pollution) Act 1981 and Environmental Protection Act 1986, Role and Function of State Pollution Control Board, Environmental Impact Assessment (EIA)
- 2.7 Role of Non-conventional Energy Resources (Solar Energy, Wind Energy, Bio Energy, Hydro Energy)
- 2.8 Current Issues in Environmental Pollution
- 2.9 Global Warming, Green House Effect, Depletion of Ozone Layer, Recycling of Material,
- 2.10 Environmental Ethics, Rain Water Harvesting, Maintenance of Groundwater, Acid Rain, Carbon Credits

UNIT-3 INSTRUCTIONAL STRATEGY

- 3.1 The contents will be covered through lecture cum discussion sessions.
- 3.2 In addition, in order to have more appreciation of need for protection of environment, it is suggested that different activities pertaining to Environmental Education like video films, seminars, environmental awareness camps and expert lectures may also be organized.

Reference Books:

1. Environmental Engineering and Management by Suresh K Dhameja; SK Kataria and Sons, New Delhi.
2. Environmental Science by Dr. Suresh K Dhameja; SK Kataria and Sons, New Delhi.
3. Environmental and Pollution Awareness by Sharma BR; Satya Prakashan, New Delhi.
4. Environmental Protection Law and Policy in India by Thakur Kailash; Deep and Deep Publications, New Delhi.