

MAHARASHTRA STATE BOARD OF VOCATIONAL EXAMINATION, MUMBAI - 51

1	Name of Syllabus	C. C. in Environmental Studies (411164)																																							
2	Max. no of Student	25 Students																																							
3	Duration	6 Month																																							
4	Type	Part Time																																							
5	No Of Days / Week	6 Days																																							
6	No Of Hours /Days	4 Hrs																																							
7	Space Required	Workshop = 300 Sq feet Class Room = 200 Sq feet TOTAL = 500 Sq feet																																							
8	Entry Qualification	SSC Passed																																							
9	Objective Of Syllabus/ introduction	A rapid industrialization coupled with changes in environment and affect natural resources, causing impact on air, water human being and his health. So to upgrade the knowledge and develop skills in the field of environmental sciences and technology.																																							
10	Employment Opportunity	After completion of the course student will be able to have job opportunities in the field of environmental sciences and technology.																																							
11	Teacher’s Qualification	Diploma/Certificate in concern subject																																							
12	Training System	<div>Training System Per Week</div> <table><tr><td>Theory</td><td>Practical</td><td>Total</td></tr><tr><td>6 Hours</td><td>18 Hours</td><td>24 Hours</td></tr></table>					Theory	Practical	Total	6 Hours	18 Hours	24 Hours																													
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13	Exam. System	<table><tr><th>Sr. No.</th><th>Paper Code</th><th>Name of Subject</th><th>TH/PR</th><th>Hours</th><th>Max. Marks</th><th>Min. Marks</th></tr><tr><td>1</td><td>41116411</td><td>Environment Components</td><td>TH I</td><td>3 hrs</td><td>100</td><td>35</td></tr><tr><td>2</td><td>41116412</td><td>Pollution Control</td><td>TH II</td><td>3 hrs</td><td>100</td><td>35</td></tr><tr><td>3</td><td>41116421</td><td>Environmental pollution control</td><td>PR I</td><td>6 hrs</td><td>200</td><td>100</td></tr><tr><td></td><td></td><td>Total</td><td></td><td></td><td>400</td><td>170</td></tr></table>					Sr. No.	Paper Code	Name of Subject	TH/PR	Hours	Max. Marks	Min. Marks	1	41116411	Environment Components	TH I	3 hrs	100	35	2	41116412	Pollution Control	TH II	3 hrs	100	35	3	41116421	Environmental pollution control	PR I	6 hrs	200	100			Total			400	170
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Theory - I - Environment Components

Environment Components

Atmosphere, Lithosphere, Hydrosphere and Biosphere

Human being as a rational social partner in Environmental action

Impact of human activities on Environment

Environment problems of urban and rural areas

Stress on civic amenities, supply of water, electricity, transport and health services

Natural Resources Land, water, forest as primary natural resources

Freshwater and marine resources, natural resources

Biodiversity and its conservation

Conventional and non- conventional energy sources

Theory - II - Pollution Control

Environmental Pollution

Types of pollution and Pollutant

Causes, effects and control of air pollution, water pollution, soil pollution, and noise pollution,

Green house effect, Global warming, Ozone layer depletion

Environmental Management -scope of it.

Management of solid, liquid and gaseous wastes

Resource management

Disaster management- flood, cyclone and earthquake

Concept of sustainable development

Management of agricultural produce

Environmental Laws

Constitutional provisions

Environmental Pollution control Laws, water act, air act etc

Central and state pollution control boards.

Practical - I - Environmental pollution control

To Study of changes taken place – Land, City, Village, Locality, Market in the span of five years with parameters like no. of houses, residents, families, food habits, household goods, consumption of water, electricity, fuel vehicles, schools, hospitals, shops, theaters, public conveyance, transport, industries, loss of water, quantity of waste, their disposal. Patterns of changes and its impact on environment

To study of the environmental profile of a town/village/city in respect of population density, green cover, educational level of people, social problems and resource of pollution and their effect on air, water, soil etc.

Collect data of consumption of water, electricity, fuel vehicles etc

Study of sanitary condition for period of time and prepare action plan for better condition

To study of the impact of industry on local environmental conditions with considering parameters like land use, raw materials, consumption of water, electricity, fuel, waste generated, and types of pollutants emitted health status of employees and residents.

To study of the impact of changes in agricultural production animal husbandry in detail and prepare action plan for modifying condition

Collect data of water samples and study impurities and pollutants, toxic materials etc, measure pH and prepare action plan for

To study of storage preservation transportation and processing of perishable and non- perishable farm products, wastes etc.

Conduct a survey of plants in locality and collect information economic and medicinal values, and prepare action plan for their propagation

Prepare a project report on five parameters in detail
