**Deccan Education Society's**
# Fergusson College (Autonomous)
## Pune - 411004

# Curriculum for

# <u>Value Education Course</u>

## (As per UGC / NEP - 2020 Guidelines)

## With effect from Academic Year
# 2023-2024

| | | |
|---|---|---|
| | **Climate Change and Pollution:**<br>**Climate Change**<br>• Definition<br>• Earth's Atmosphere<br>• Natural and Anthropogenic Impacts: Causes and Effects<br>• Control measures<br>**Pollution**<br>• Definition<br>• Causes, effects and control measures of:<br>  1. Air Pollution<br>  2. Water Pollution Soil and land pollution<br>  3. Noise Pollution<br>  4. Thermal Pollution and Nuclear Pollution | 6 |
| | **Effective Waste Management**<br>• Types of waste<br>• 3 R's<br>• Solid waste management<br>• Treatment and Disposal | 4 |
| | **Conservation of Biodiversity**<br>• Concept and types of biodiversity: Genetic, species and ecosystems diversity<br>• Zoogeographic realms<br>• Biogeographic regions in India<br>• Endemicity<br>• Taxonomy and Systematics based studies and their importance<br>• Threats to Biodiversity<br>• Insitu and Exsitu conservation approaches and the need for conservation<br>• Major Protected Areas | 6 |
| | **Resource and Management**<br>• Constitutional provisions- Article 48A, Article 51A (g) and other derived environmental rights<br>• Introduction to environmental legislation on the forest, wildlife and pollution control<br>• Environmental management system<br>• Concept of Circular Economy, Life cycle analysis; Cost-benefit analysis | 4 |

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| | • Environmental audit and impact assessment; Environmental risk assessment Pollution control and management | |
| | **Forest and Wildlife Conservation**<br>• Types of Ecosystems<br>• Forest Types and Protected Areas<br>• Screening of a Wild Life Documentary | 3 |
| | **Sustainable Development and Living**<br>• **Definition**<br>• Classification of natural resources- biotic and abiotic<br>• Energy resources: Sources of energy and their classification. renewable and non-renewable sources of energy<br>• Sustainable Development Goals (SDGs)- targets and indicators, challenges and strategies for SDGs | 4 |
| | **FieldVisit/Project (Home-based activity)** | 3 |
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