

**SYLLABUS FOR UNDER  
GRADUATE  
COURSE**

**AECC – I  
EVS**

**(Bachelor of Arts/Sc/Com Examination)**



**UNDER  
CHOICE BASED CREDIT  
SYSTEM**

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**Ability Enhancement Compulsory Course-I (AECC-I)**  
**ENVIRONMENTAL SCIENCE**

**Unit – I - The Environment:** The Atmosphere, Hydrosphere, Lithosphere, Biosphere, Ecology, Ecosystem, Biogeochemical Cycle (Carbon Cycle, Nitrogen Cycle), Environment Pollution: Air Pollution, Water Pollution, Soil Pollution, Radiation Pollution.

**Unit – II - Population Ecology:** Individuals, Species, Pollution, Community, Control Methods of Population, Urbanization and its effects on Society, Communicable Diseases and its Transmission, Non-Communicable Diseases.

**Unit- III - Environmental Movements in India:** Grassroot Environmental movements in India, Role of women, Environmental Movements in Odisha, State Pollution Control Board, Central Pollution Control Board.

**Unit -IV - Natural Resources:** Conservation of Natural Resources, Management and Conservation of Wildlife, Soil Erosion and Conservation, Environmental Laws: Water Act, 1974, Air Act, 1981, The Wildlife (Protection) Act, 1972, Environment Protection, 1986, Natural Disasters and their Management.

**QUESTION PATTERN –**

**PART - A - 02 Marks Each X 08 Questions (All 08 Compulsory)**

Or

04 Questions X 04 marks each (Out of 06 four need to be answered)  
(Question covering all four units)

**PART - B - 16 Mark X 01 Question**

Or

02 Questions X 08 marks each (out of 03, 02 to be answered)  
(Question covering from FIRST unit)

**PART - C - 16 Mark X 01 Question**

Or

02 Questions X 08 marks each (out of 03, 02 to be answered)  
(Question covering from SECOND unit)

**PART - D - 16 Mark X 01 Question**

Or

02 Questions X 08 marks each (out of 03, 02 to be answered)  
(Question covering from THIRD unit)

**PART - E - 16 Mark X 01 Question**

Or

02 Questions X 08 marks each (out of 03, 02 to be answered)  
(Question covering from FOURTH unit)

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