



**YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY, NASIK**

## **HOME ASSIGNMENT - (2016-17)**

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**M.Sc. Environmental Science (v34 and v58)**

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**Instructions for the Students:**

- 1) All Questions are compulsory.
  - 2) Each Sub-question carries 5 marks.
  - 3) Each Sub-question should be answered between 75 to 100 words. Write every question's answer on separate page.
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**S27011: Environmental Science and Ecology**

- Q.1 Describe impact of atmosphere on the human life ?
- Q.2 Explain various divisions of ecology.?
- Q.3 Describe pyramid of Biomass.?
- Q.4 Explain Mechanism of ozone depletion. ?

**S27012: ENVIRONMENTAL ENGINEERING**

- Q.1 Explain process of reverse osmosis.?
- Q.2 Describe lagoons as a low cost waste water treatment.?
- Q.3 Explain trickling filter and give its use.?
- Q.4 Explain construction of rapid flow circular sedimentation tank.?

### **S27013 : NATURAL RESOURCES AND THEIR CONSERVATION**

- Q.1 Explain types of biodiversity.?
- Q.2 Explain causes of soil degradation.?
- Q.3 Explain NRA for biodiversity resources?
- Q.4 Explain aims and objectives of joint forest management(JFM)?

### **S27031: ENVIRONMENTAL MONITORING AND ENERGY STUDIES**

- Q.1 Explain Merits and Demerits of EIA studies?
- Q.2 Enlist application of remote sensing in environmental studies.?
- Q.3 Explain Hydropower as a conventional energy resource.?
- Q.4 Write note on- Solar Pond?

### **S27032: NATURAL RESOURCES AND INSTRUMENTATION**

- Q.1 Explain in detail classification of Natural resources.?
- Q.2 Give brief account of soil resources.?
- Q.3 Explain the working of Dropping mercury electrode.?
- Q.4 Explain the principle of atomic absorption spectrophotometer.?

### **S27033: ENVIRONMENTAL MICROBIOLOGY, TOXICOLOGY AND CHEMISTRY**

- Q.1 Explain the classification of microorganisms on the basis of mode of Nutrition.
- Q.2 Write a note on – Chemical cycle of carbon.
- Q.3 Explain the sources of water pollution.
- Q.4 Explain Effects of modern agro-technology on quality of soil.