

**320843(20)**

**B. E. (Eighth Semester) Examination,  
Nov.-Dec. 2021**

**(New Scheme)**

**(Civil Engg. Branch)**

**ENVIRONMENTAL POLLUTION and MANAGEMENT**

*Time Allowed : Three hours*

*Maximum Marks : 80*

*Minimum Pass Marks : 28*

*Note : Attempt all questions. Part (a) of each question is compulsory. Attempt any two parts from (b), (c) and (d).*

**Unit-I**

1. (a) Define Environment Management.

2

- (b) Compare the functions of Central Pollution Control Board with the functions of State Pollution Control Board in the area of Air Pollution Control. 7
- (c) What are the basic principles of Environment Management its pollution and control? 7
- (d) Write short notes on : 7
- (i) Air Act, 1981 (India).
  - (ii) Nature & scope of Environmental Problem

### Unit-II

2. (a) Explain Population Growth. 2
- (b) State and discuss the reasons for world's population growth. Also explain the effect of population growth on the ecology. 7
- (c) A distinction has been made between the more developed and less developed regions of the world in the material presented on population and economic growth. Why do you think this has been done? 7
- (d) What are the life support capabilities of earth in term of human population? 7

**Unit-III**

3. (a) What do you understand by Environmental Research? 2
- (b) Explain the different approaches of research methodology with a suitable examples. 7
- (c) Suggest how can be move towards a more sustainable model of living while tackling the environmental problems. 7
- (d) Describe in detail Health and Environmental Implications of solid waste management. 7

**Unit-IV**

4. (a) Define Sanitary Landfill. 2
- (b) Explain the following : 7
- (i) Pyrolysis
- (ii) Environmental Audit
- (c) Explain the hazardous waste treatment facility giving proper flow diagram for it. 7
- (d) Describe in brief, how biomedical of waste is managed successfully. 7

**Unit-V**

5. (a) Define Sustainable Development. 2
- (b) Explain the different strategies for a sustainable development in India. 7
- (c) Describe the basic steps for prediction and assessment for water environment. 7
- (d) What do you mean by EIA? What is the role of EIA? 7