

Term End External Examination 1st Semester (Session-Feb 2025)

Subject: Value Added Course

Course No and Title: ESE022/ Environmental Science Education

Time: 1.15 hours Max Marks:50 Min. Marks:20

Section A: Objective Type Questions

Q1. Choose the appropriate Answer: (4x1.5=06)

i. Flow of energy in an ecosystem is

- A Unidirectional B Multidirectional
C Cyclic D Renewable

ii. Nutrient cycling is _____ service provided by ecosystems.

- A Social B Provisioning
C Regulating D None of these

iii. Smog is an example of

- A Primary air pollution B Secondary air pollution
C Ozone depletion D Climate change

iv. Effect of soil pollution on plant growth is primarily caused by

- A Nutrient availability B Increased soil fertility
C Increased water holding capacity D Toxicity and reduced soil fertility

Section-B: Descriptive Type Questions (Short Type)

Q2: Answer all the Questions (4 x 4 =16)

- i.** What are the different trophic levels in a trophic structure. Explain briefly with suitable diagram.
- ii.** Environment is important for survival of life. Justify the statement.
- iii.** What are natural resources? Classify natural resources with suitable examples.

iv. What is municipal solid waste? Add a note on “3R’s” formula of municipal solid waste management.

Section – C: Descriptive Type Questions (Medium Type)

Answer all the questions: (2 x 7=14)

Q3. What is environment? Briefly discuss the physical and biological components of the environment.

OR

Discuss briefly the various services provided by ecosystems.

Q4. Write a detailed note on causes, consequences and control measures of surface water pollution.

OR

What are the main causes of climate change? Explain the environmental and economic impacts of climate change.

Section – D: Descriptive Type Questions (Long Type)

Answer any one of the following: (1 x 14=15)

Q5. What do you understand by biodiversity conservation? Discuss in-situ and ex-situ methods of biodiversity conservation.

Q6. What are the key principles of natural resource management? Discuss them with suitable examples.