

SEMESTER END EXAMINATIONS – FEB / MARCH 2025

Program	: B.E. – Common to all Programs	Semester	: VII
Course Name	: Chemistry of Environmental Science	Max. Marks	: 100
Course Code	: CYOE02 (2021 Batch)	Duration	: 3 Hrs

Instructions to the Candidates:

- Answer one full question from each unit.

UNIT - I

- Distinguish between primary and secondary pollutants giving examples. CO1 (10)
 - Explain the Multidisciplinary nature of Environmental studies. CO1 (10)
- Discuss the impacts of manmade activities in terms of agriculture and mining on the environment. CO1 (10)
 - "The need for public awareness about environment is essential" Explain. CO1 (10)

UNIT - II

- "Acid rain has an adverse effect on environmental eco system"-explain how acid rain effect on humans, animals, buildings and textiles. CO2 (10)
 - "In troposphere ozone is pollutant, whereas in stratosphere it will act as protective umbrella"-explain. CO2 (10)
- Descriptive note on the following: (i) Ozone depleting substance and their role in ozone depletion (ii) Principle steps involved in depletion of ozone. CO2 (10)
 - Define the following: (i) Stratosphere (ii) Ozone-Depleting Substances (iii) Global Warming (iv) Ozone depletion (v) Acid Rain. CO2 (10)

UNIT - III

- Give the detailed note on the prevention measures of toxicity in infants, pregnant women and old age adults. Mention the signs and symptoms of mercury poisoning. CO3 (10)
 - Explain the biochemical effects of PAN and pesticides on environment. CO3 (10)
- "A home is a source of various toxic chemicals"- explain the source and effects of the toxic chemicals. CO3 (10)
 - List the toxic effects of the following heavy metals: CO3 (10)
 - Cadmium
 - Arsenic.

UNIT- IV

- Elaborate the objectives, fundamental principle and benefits of green building. CO4 (10)
 - Outline the soilless cultivation and list its merits and demerits. CO4 (10)
- Explain the following terms. (i) Carbon credits (ii) Carbon foot prints. CO4 (10)
 - Discuss the challenges of organic farming and list its merits and demerits. CO4 (10)

UNIT - V

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| 9. | a) | What are the roles and qualifications of environment auditors? | C05 | (10) |
| | b) | Elaborate on Environmental auditing. What are the qualification and roles of Environmental auditors? | C05 | (10) |
| 10. | a) | What is environmental education? Explain the role of environmental education in environmental protection. | C05 | (10) |
| | b) | Explain the roles of Non-Governmental Organizations (NGOs) in environmental protection. | C05 | (10) |
