AM/CS/CYS/DS 126 (R-22)

Total No. of Questions : 10] [Total No.of Pages : 02

I/IV B. Tech. DEGREE EXAMINATIONS, AUGUST - 2024

Second Semester

AM / CS / CYS / DS

ENVIRONMENTAL SCIENCE

Time : **Three Hours** Maximum : **70** Marks

Answer ONE Question from each Unit.

All Questions carry equal marks. **5x14=70 M**

UNIT - I

1. a) Write short notes on Multidisciplinary nature of Environmental Studies.

   b) Explain in detail the negative impact of modern agriculture on the environment.

(OR)

2. a) Discuss the impact of mining on human health.

   b) Why do conflicts occur on water sharing ? Explain with the help of a case study.

UNIT - II

3. a) What is a food chain ? Describe its two basic types along with examples.

   b) Depict diagrammatically the carbon cycle.

(OR)

4. a) Give a brief account of biogeographical classification of India.

   b) Explain the direct and indirect value of biodiversity.

UNIT - III

5. a) Differentiate between point, line and area sources of air pollution.

   b) Discuss the role played by vegetation in controlling air pollution.

(OR)

P.T.O.

6. Mention any five physical and chemical characteristics of water and discuss their impact on quality of water.

UNIT - IV

7. a) What is EIA ? Explain the procedure how it is done with the help of an example.

   b) What do you understand by Environmental Risk Assessment ?

(OR)

8. Briefly explain the following :

   a) Forest Act.

   b) Wild Life Protection Act.

UNIT - V

9. a) Sustainable Development is the need of the hour - Justify the statement.

   b) Discuss the case study of Bhopal gas tragedy.

(OR)

10. a) What is meant by population explosion ? Discuss the Indian scenario.

    b) Briefly discuss HIV/AIDS, mode of its spread and its effect on environment.