

# END TERM EXAMINATION

SECOND SEMESTER [B.TECH] JULY 2023

Paper Code: BS-110

Subject: Environmental Studies

Time: 3 Hours

Maximum Marks: 75

Note: Attempt five questions in all including Q.No.1 which is compulsory. Internal Choice is indicated.

- Q1 a) Briefly discuss the economic importance of forests. (1.5x10=15)  
b) Discuss the role of man in food chain.  
c) Explain any two environmental movements in brief.  
d) Enlist pros and cons of urbanisation.  
e) Comment on women empowerment.  
f) Differentiate between Oligotrophic and Eutrophic systems.  
g) What are hotspots of biodiversity?  
h) "Environmental laws are crucial for environmental management" comment.  
i) Define Population density.  
j) What is Agro Forestry?
- Q2 a) Explain the difference between Formal and Informal ways of environmental education in India. (5)  
b) With the help of well labelled diagram explain energy flow models. (5)  
c) Write short note on (i) social impacts of mining (ii) OTEC (5)
- OR**
- Q3 a) What is meant by biodiversity? Describe the uses and importance of biodiversity. (5)  
b) What is Ecological Succession. Describe the causes and basic types of ecological succession. (5)  
c) Write short note on (i) Mineral resources of India (ii) Man-induced land slides. (5)
- Q4 a) What is an earthquake? Enumerate it's effects and what measures should be taken to mitigate the disaster? (5)  
b) Discuss the harmful effects of noise pollution. State the measures to control noise pollution (4)  
c) Write Short note on (i) Minamata Tragedy (ii) Carbon Credits (iii) land-filling (6)
- OR**
- Q5 a) "The Indian sub continent has the distinction of being one of the most vulnerable areas to natural disasters". Comment on the statement. (3)  
b) "It is the physical characteristics of the particulates which are quite significant in air pollution." Comment. (3)  
c) Explain the various methods commonly employed for disposal of solid waste, with their advantages and disadvantages. (5)  
d) What is land degradation? What are its causes? (4)

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- Q6 a) "Environmental education plays an important role in environmental protection." Explain. (3)  
b) Discuss the problems and concerns of resettlement and rehabilitation of people as result of development projects. (5)  
c) Briefly describe the idea of "Solid Waste Management". Describe various methods used to dispose solid waste. (4)  
d) What does the term incineration means? What are its advantages. (3)

**OR**

- Q7 a) What are the major obstacle in the path of sustainable development? (3)  
b) Discuss Social issues and its impact on (i) Climate change (ii) Ozone layer depletion (4)  
c) "Environment ethics effectively change the role of human from conqueror of the land to citizen and protector of the environment" comment. (3)  
d) Describe briefly the provision of the following acts (i) Wild Life Protection Act (1971) (ii) Forest Conservation Act (1980) (5)

- Q8 a) Write short note on (i) Population Growth (ii) Population stabilisation (4)  
b) Write the aims and objectives of "Family welfare Programmes". (3)  
c) Briefly explain the various schemes launched for women's education in India. (4)  
d) What is meant by "value" and "value education"? Explain with suitable example. (4)

**OR**

- Q9 a) Write short note on (i) Environmental Education (ii) Fundamental Rights (4)  
b) Describe in detail the environmental factors governing human settlements. Give effects of overpopulation. (5)  
c) What is AIDS? What are the sources and modes of transmission of HIV infection? (4)  
d) Environment has a direct impact on the physical, mental and social well being of those living on it." Discuss (2)

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