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21CV654

Sixth Semester B.E./B.Tech. Degree Examination, June/July 2025

Conservation of Natural Resources

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Briefly explain the ecological and economic importance of soil. (08 Marks)
- b. Discuss the impact of soil degradation on agriculture and food security. (06 Marks)
- c. Give a detailed account of types of land forms. (06 Marks)

OR

- 2 a. "Modifications in land use has impact on regional environment and climate change". Justify this statement. (08 Marks)
- b. Give a detailed account of sustainable land use planning. (06 Marks)
- c. Explain the importance of conservation of soil. (06 Marks)

Module-2

- 3 a. Give a detailed account of global distribution of water resources. (08 Marks)
- b. Explain the process of water resources planning system. (06 Marks)
- c. What is inter basin transfer? Given examples of inter basin transfer in Indian context. (06 Marks)

OR

- 4 a. Give a detailed account of distribution of water resources in India. (08 Marks)
- b. Write the merits and demerits of Interlinking of rivers. (06 Marks)
- c. Enumerate the sources for contamination of ground water. (06 Marks)

Module-3

- 5 a. Give a detailed account of sources of air pollution. (08 Marks)
- b. Give a detailed account of classification of air pollutants. (06 Marks)
- c. Write the impact of air pollution on human health. (06 Marks)

OR

- 6 a. Briefly explain the function of cyclonic separator to remove particular matter. (08 Marks)
- b. Write the merits and demerits of gravity settler in removal of air pollutants. (06 Marks)
- c. Explain the effects of ozone layer depletion on plants, animals and materials. (06 Marks)

Module-4

- 7 a. What is biodiversity? Give a detailed account of types of biodiversity. (08 Marks)
- b. Explain the abiotic components of ecosystem. (06 Marks)
- c. Give a detailed account of carbon cycle. (06 Marks)

OR

- 8 a. Give a detailed account of forest ecosystem. (08 Marks)
- b. Give a detailed account of economic value of biodiversity. (08 Marks)
- c. Write a species diversification in desert ecosystem. (04 Marks)

Module-5

- 9 a. Enumerate the effect of global warming on biodiversity. (08 Marks)
- b. Describe the causes of climate change. (06 Marks)
- c. Describe the global initiative for conservation of biodiversity. (06 Marks)

OR

- 10 a. What is Environmental Impact Assessment report? Write the contents of Environmental Impact Assessment Report. (10 Marks)
- b. Give a detailed account of EIA regulations in India. (10 Marks)

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