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18CV656

Sixth Semester B.E. Degree Examination, Dec.2023/Jan.2024

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. Define the Conservation of Natural Resources. Explain the concept of Land as a resource. (06 Marks)
- b. List the types of Land on Earth and explain any three. (06 Marks)
- c. What is Deforestation? Write the causes of Deforestation. Briefly explain any three. (08 Marks)

OR

- 2 a. Define Soil and explain the importance of Soil Health. (06 Marks)
- b. Explain the Ecological and Economical importance of soil. (06 Marks)
- c. Explain the following : i) Soil degradation ii) Soil erosion iii) Need for soil conservation. (08 Marks)

Module-2

- 3 a. Write the sources of water and explain the Global water resources. (06 Marks)
- b. Explain the uses of water in different sectors. (06 Marks)
- c. Explain the Interlinking of Rivers for 2 – different component on India and give the examples. (08 Marks)

OR

- 4 a. Write the importance of Ground Water Resource and explain the Ground water potential in India. (10 Marks)
- b. Explain the conjunctive use of water to meet the crop demand and write a note on contamination of water and its problems. (10 Marks)

Module-3

- 5 a. Write the importance of Air and give its composition. (06 Marks)
- b. Write the major sources of Air pollution and briefly explain the classification of Air pollutants. (06 Marks)
- c. Explain the National Ambient Air Quality Standards (NAAQS). (08 Marks)

OR

- 6 a. Write the effects of Air Pollution on Human health and briefly explain the Economic effects of Air Pollution. (10 Marks)
- b. Define Minerals and rocks and explain the importance of any Rock forming minerals. (10 Marks)

Module-4

- 7 a. Define Biodiversity and discuss the importance of biodiversity. (06 Marks)
- b. Explain the Bio – geochemical Cycling process. (06 Marks)
- c. Explain the Conservation of Biodiversity and write a note on National parks in India. (08 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.

OR

- 8 a. Define Ecosystem. Write the importance of Ecosystem and briefly explain various types of ecosystem. (10 Marks)
- b. Explain : i) Necessity of Wild Life Sanctuaries.
ii) Explain the Abiotic and biotic components of Ecosystem. (10 Marks)

Module-5

- 9 a. Define Global warming. Write the causes and effects of it. (10 Marks)
- b. Write a note on Global Climate change indicators and give the examples. (10 Marks)

OR

- 10 a. Define "EIA". Write the importance of 'EIA' and give the regulations of "EIA" in India. (10 Marks)
- b. Explain the Hydro Power Projects and Thermal Power Projects. Write the advantages and disadvantages of both. (10 Marks)

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