

Roll No.

Total Pages : 3

019404

May, 2023

B.Tech. (ENV) IV SEMESTER

Natural Resources and Biodiversity (MCEVS-02)

Time : 3 Hours]

[Max. Marks : 75

Instructions :

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

PART-A

1. (a) Give the full form of EIA. (1.5)
- (b) What do you mean by natural resource? (1.5)
- (c) What do you mean by renewable and non-renewable sources of energy? (1.5)
- (d) What do you mean by Carbon footprint? (1.5)
- (e) Define biodiversity. (1.5)
- (f) Define deforestation. (1.5)

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- (g) What do you mean by energy crisis? (1.5)
- (h) Define *ex-situ* conservation. (1.5)
- (i) Define fossil fuels. (1.5)
- (j) What do you mean by endemic species? (1.5)

PART-B

- 2. (a) Describe the various non-conventional sources of energy. (7)
- (b) Explain what is rain water harvesting and give its advantages. (8)
- 3. (a) Suggest a few useful ways of utilizing waste water. (5)
- (b) Write about Land Resources. (10)
- 4. Differentiate between :
 - (a) In-situ and Ex-situ Conservation.
 - (b) Renewable and non-renewable energy sources.
 - (c) Afforestation and Reforestation. (15)
- 5. (a) What is the role of an individual in conservation of natural resources. (10)
- (b) What is a biodiversity hotspot? Describe two such hotspots in India. (5)

- 6. (a) Explain about forest resources. (10)
 - (b) What are the causes of soil degradation? Write a short note on management of soil degradation. (5)
 - 7. Discuss in details about Ecological Footprint with special reference to Carbon Footprint. (15)
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