

B.Sc. (Part - I) CBCS Pattern Semester-II
USENVT04 - Environmental Science Paper-II (Applied Ecology)

P. Pages : 1

Time : Three Hours



GUG/W/23/11581

Max. Marks : 50

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Illustrate the answers with suitable diagrams and examples.

1. Discuss characteristics of ecosystem services w.r.t generation and maintenance of biodiversity. 10
- OR**
- a) Write an informative note on terrestrial wild animal products. 5
- b) Discuss combustion of fuel as an atmospheric service. 5
2. Explain with examples In-Situ wildlife and biodiversity conservation. 10
- OR**
- a) Briefly explain biodiversity hotspots in India. 5
- b) Discuss Joint Forest Management (JFM). 5
3. Discuss self-organization and preadaptation as principles of ecological engineering. 10
- OR**
- a) Explain characteristics of wetland. 5
- b) Explain sanitary landfill as an ecosystem. 5
4. Discuss ecological applications w.r.t conservation and restoration. 10
- OR**
- a) Briefly explain watershed management. 5
- b) Write an explanatory note on ecological footprints. 5
5. Answer in brief **any ten**. 10
- a) Define natural services.
- b) What is climate tourism?
- c) State benefits of natural ecosystem.
- d) What is afforestation?
- e) Give the examples of flagship species.
- f) What is red data book?
- g) What is energy signature?
- h) How to design new ecosystem?
- i) What is wetland?
- j) What is coastal zone management?
- k) What is landscape planning?
- l) What are invasive species?
