

I B. Tech II Semester Supplementary Examinations, March - 2022

ENVIRONMENTAL STUDIES

(Com. to CSE, IT, EIE, ECE, E.Com E)

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)

2. Answer **ALL** the question in **Part-A**

3. Answer any **FOUR** Questions from **Part-B**

PART -A

1. a) Highlight the effects of Ozone layer Depletion to the environment. (2M)
- b) Differentiate between Renewable and Non-Renewable resources with examples. (2M)
- c) Why should the decline of biodiversity be of concern to the human species? Explain. (2M)
- d) Specify the role of transfer station in municipal solid waste management. (2M)
- e) What are the various means of Water conservation? (2M)
- f) What is the need for an EIA report? (2M)
- g) What is the use of Pyramid of Energy and Pyramid of Number? Explain by means of sketch. (2M)

PART -B

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| 2. | a) | Discuss in detail about Stockholm and Rio Summit along with their findings. | (7M) |
| | b) | By means of neat sketch, explain the characteristics, functions and the possible Food Web for Forest Ecosystem. | (7M) |
| 3. | a) | Describe in brief about the uses, over-exploitation, and environmental effects of extracting mineral resources. | (7M) |
| | b) | Write a detailed note on land degradation and Wasteland reclamation. | (7M) |
| 4. | a) | What are the various Threats to Biodiversity? Explain them in detail. | (7M) |
| | b) | Explicate various values of biodiversity. | (7M) |
| 5. | a) | Differentiate between the hazardous and non-hazardous waste along with the causes and effects of the same. | (7M) |
| | b) | Discuss in detail the causes, effects and control measures of Noise Pollution. | (7M) |
| 6. | a) | How do you reduce the issues involved in enforcement by environmental legislation? Explain in brief. | (7M) |
| | b) | Describe the salient features of air pollution and prevention act. | (7M) |
| 7. | | Write a detailed note on the following: | |
| | (a) | Green Campus | (7M) |
| | (b) | Environmental audit and its process | (7M) |