

B.Sc. (Part - II) CBCS Pattern Semester-III
USENVT06 - Environmental Science Paper-II : Natural Resources and GIS

P. Pages : 2
Time : Three Hours



GUG/W/23/11607
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 solar energy as renewable energy resource. Add a note on its impact on environment. **10**

OR

a) Describe KVIC digester for biogas generation. **5**

b) Explain alcohol as a source of energy. **5**

2. Discuss causes of wastage and degeneration of freshwater resources. **10**

OR

a) Describe necessity and benefits of watershed management. **5**

b) Explain how biofertilizers are useful for fertility of soil. **5**

3. Discuss earthquake as geological disaster. **10**

OR

a) Explain Disaster Management Act 2005. **5**

b) Describe early warning system and preparedness as pre disaster cycle. **5**

4. Explain concept of remote sensing. Write about thermal and hyper-spectral remote sensing. **10**

OR

a) Describe role of GIS in pollution monitoring. **5**

b) Explain spectral characteristics of earth feature for vegetation. **5**

5. Answer in brief **any ten**. **10**

a) Define natural resources.

b) Give examples of fossil fuels.

c) Write energy conservation measures in domestic establishment.

- d) Write full form of NWDB.
- e) Give objectives of rainwater harvesting
- f) Explain reasons for soil degradation.
- g) Define natural catastrophe.
- h) Give example of mega disaster in India.
- i) Explain role of NGOs in disaster management.
- j) Define remote sensing.
- k) Give full form of GIS.
- l) What is photogrammetry?
