

Bachelor of Science (B.Sc. Part-II) (CBCS Pattern) Third Semester  
**USENVT06 - Environmental Science Paper-II Natural Resources And GIS**

P. Pages : 1

Time : Three Hours



**GUG/W/18/11607**

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. What are natural resources? Discuss wind as a renewable energy resource. 10

**OR**

- a) Explain hydrogen as a source of energy in future. 5  
b) Explain impacts of non renewable energy resources on environment. 5

2. Explain the causes of wastage and degeneration of fresh water, resources. Add a note on man's water requirement. 10

**OR**

- a) Give the role of biofertilizer in soil fertility. 5  
b) Comment on major challenges related to utilization of land resources. 5

3. Define natural catastrophes. Describe their phenomenon with effects on environment in detail. 10

**OR**

- a) How prediction and assessment of disaster is done? 5  
b) Explain relief and rehabilitation during disaster. 5

4. Define remote sensing. Explain concept and physics of remote sensing in detail. 10

**OR**

- a) How digital image processing is carried out? 5  
b) Discuss the components of GIS. 5

5. Answer in brief **any ten**. 1x10=10

- a) Give full form of KVIC.  
b) Write about biodiesel.  
c) State any two energy conservation measures in domestic establishment.  
d) What is watershed management?  
e) Give the reasons for soil degradation.  
f) What is full form of NWDB?  
g) What is land slides?  
h) Give reasons for occurrence of drought  
i) What is biological disasters?  
j) What GIS stands for?  
k) Explain role of GIS in pollution monitoring.  
l) Write about image restoration.

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