

M.Sc. (Part-I) (Environmental Science)(with Credits)-Regular-Semester 2012 Old / CBCS Sem II
**EVS-08 / PSENV T06 / PSCENV T06 - Paper-VI : Natural Resources :
Conservation and Management**

P. Pages : 1

Time : Three Hours



GUG/S/18/5747

Max. Marks : 80

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

1. State importance of minerals. How mineral deposits are formed? What are the consequences of over exploitation of them? How conservation of Minerals can be carried out? **16**

OR

- a) Discuss water as a natural resource w.r.t. distribution, importance and conservation. **8**
b) How coal and natural gas are formed? Give their composition. **8**

2. Describe applications of solar energy. **16**

OR

- a) How electricity is generated from photo Voltaic? **8**
b) Describe liquid air collector. State its advantages and disadvantages. **8**

3. What are the basic principles involved in OTEC? Describe methods of OTEC. Add a note on advantages and disadvantages. **16**

OR

- a) Explain working of tube turbine used in hydal energy. State its advantages and disadvantages. **8**
b) Describe operation method for tidal power plant. **8**

4. What is the mode of formation of geothermal energy? How energy is extracted from it? State its impacts on environment. **16**

OR

- a) Describe wet and dry process of biomass conversion. **8**
b) Discuss classification of wind energy conversion system. **8**

5. a) Discuss wildlife as a natural resource. **4x4**
b) Write a note on parabolic trough reflector. **=16**
c) State advantages and disadvantages of tidal energy.
d) How biogas is generated?
