

2008-2009
 B.Sc(HONS) (PART-III) EXAMINATION
 (GEOLOGY)
 NATURAL ENVIRONMENT
 (GE-315)

SEMESTER - III

Duration - Three Hours

Answer all questions

1. Define natural ecosystems. Discuss the components and their inter relationships. 06

OR

11. Write brief notes on the following:

- (i) nitrogen phenol cycle
- (ii) Earth as a closed system

12. Describe formation of soil. Add a detailed note on the classification of soil. 07

OR

2. Give explanatory notes on the following:

- (a) Causes and impacts of floods
- (b) Causes and impacts of earthquakes

3. Describe in detail the geological and structural considerations in the construction of canals. Cite few examples from India. 06

4. Write detailed notes on any two of the following 07

- (a) Types of satellite and images
- (b) Land use patterns and their recognition on aerial photo images
- (c) Remote sensing and its applications

5. Give notes on the following 07

- (a) Spectral signatures of soil, water and vegetation
- (b) Application of remote sensing in selection of a dam site.

6. Discuss hydrologic cycle. Describe in detail its various components. 06

OR

7. Write detailed notes on the following

- (a) Air and water resources of India.
- (b) Environmental degradation