

Fourth Semester B. Sc. (Part - II)
Examination
ENVIRONMENTAL SCIENCE
Paper - VIII
(Natural Resources and GIS)

Time : Three Hours] [Max. Marks : 50

- N. B. : (1) All questions are compulsory and carry equal marks.
(2) Illustrate your answer with suitable example and diagram
1. Discuss in detail Biogas manufacturing process with its application. 10
- OR**
- (a) Explain Nuclear energy with fission and fusion process. 5
(b) Write a note on hydro energy as conventional source of energy. 5
2. Describe the land use pattern and policy in context of India. 10
- OR**
- (a) Write a note on conservation of mineral wealth. 5
(b) Explain the availability of surface water in our country. 5
3. Describe in detail how volcanos are caused. Give their types arranging them in order of increasing explosiveness. 10

OR

- (a) How are earth quake produced ? 5
(b) Explain the role of authority of national disaster management in mitigating the risk strategies. 5
4. Explain the basic concept of remote sensing and add a note on its application. 10

OR

- (a) Discuss the role of GIS in pollution monitoring. 5
(b) Write informative note on digitisation procedure. 5
5. Attempt any **ten** :—
- (a) What is CNG ?
(b) What are biofuels ?
(c) Give the composition of biogas.
(d) Distinguish between micro and macro watershed.
(e) Mention the merits of rain water harvesting.
(f) Give the classification of minerals.
(g) What is a meaning of tsunami ?
(h) Name the instrument use for recording earthquake.
(i) What are cyclons ?
(j) What are the components of GIS ?
(k) What is the long form of EMR ?
(l) What is the use of microwave in remote sensing ? 1×10=10