

**KNT/KW/16/5159**

**Bachelor of Science (B.Sc.) Semester–IV (C.B.S.) Examination**

**ENVIRONMENTAL SCIENCE**

**(Natural Resources and GIS)**

**Paper–II**

Time : Three Hours]

[Maximum Marks : 50

**N.B. :—** (1) **All** questions are compulsory and carry equal marks.

(2) Illustrate your answers with suitable example and diagrams.

1. Discuss conventional sources of energy with reference to coal, oil and natural gas. 10

**OR**

(a) Write a brief note on hydro energy. 5

(b) Explain methods of conservation of energy. 5

2. Discuss formation of mineral resources. What are consequences of over exploitation of mineral resources ? 10

**OR**

(a) What are the measures adopted for prevention and expansion of deserts ? 5

(b) What are the controversies of big dam in India ? 5

3. Discuss in detail the earthquakes as natural catastrophes. 10

**OR**

(a) How warning and people's evacuation is helpful in risk assessment ? 5

(b) What types of disaster mitigation programmes are implemented in India ? 5

4. Discuss in brief the concept and development of remote sensing. 10

**OR**

(a) How digital image processing is undertaken in remote sensing ? 5

(b) Briefly explain the components of GIS. 5

5. Attempt any **ten** :

- (a) What is a natural resource ?
- (b) What is the full form of CNG ?
- (c) Choose the correct statement :
  - (i) Biogas is generated by aerobic process.
  - (ii) Biogas is generated by anaerobic process.
- (d) What is range land ?
- (e) Mention any two measures for conservation of minerals.
- (f) Distinguish between micro and macro watershed.
- (g) What is cloud bursting ?
- (h) What is the meaning of Tsunami ?
- (i) Enlist disaster mitigation programmes in India.
- (j) Define remote sensing.
- (k) What is GIS ?
- (l) What is the use of microwave in remote sensing ?

1×10=10