

**U.G. 6th Semester Examination-2021****ENVIRONMENTAL SCIENCE****[HONOURS]****Discipline Specific Elective (DSE)****Course Code : ENVS-H-DSE-L-03A****(Natural Hazards and Disaster Management)**

Full Marks : 40

Time : 2½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** of the following:  $2 \times 5 = 10$
- Define hazard.
  - What is meant by epidemic?
  - Mention two examples of geological hazard.
  - What is natural disaster?
  - Why do landslides occurred regularly in rainy season over the Darjeeling Himalayan region?
  - What is biophysical hazard?
  - Define migration.
  - What is meant by hazard preparedness?

2. Write short notes on any **two** of the following:  $5 \times 2 = 10$
- Droughts: Causes and consequences
  - Groundwater extraction: Causes and consequences
  - Deforestation: Causes and consequences
  - National Disaster Management Framework
3. Answer any **two** of the following:  $10 \times 2 = 20$
- Discuss the seismic vulnerability of different areas in India and management strategies for combating the disaster. 10
  - Give an account of sea level changes and its impact on coastal areas. 10
  - Describe the nature and advantages of flood hazard management plan. 10
  - Define chemical disaster. Write the causes and consequences of Bhopal tragedy.  $2 + 8 = 10$
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