

U.G. 6th Semester Examination-2022**ENVIRONMENTAL SCIENCE****[HONOURS]****Discipline Specific Elective (DSE)****Course Code : ENVS-H-DSE-L-03A****(Natural Hazards and Disaster Management)**

Full Marks : 40

Time : $2\frac{1}{2}$ 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: $2 \times 5 = 10$

- i) What is meant by vulnerability?
- ii) Distinguish between hazard and disaster.
- iii) Define cyclone.
- iv) Define famine.
- v) What is meant by agricultural drought?
- vi) What is GLOF?
- vii) What is meant by risk?
- viii) What is meant by disaster management?

2. Answer any **two** of the following: $5 \times 2 = 10$

- i) State the reasons behind rapid population growth.
- ii) Illustrate the types of seismic waves with a suitable diagram.
- iii) Write a short note on Chernobyl disaster.
- iv) Give the concept of qualitative likelihood measurement index.

3. Answer any **two** of the following: $10 \times 2 = 20$

- i) Discuss the causes and consequences of landslides with necessary illustrations.
 - ii) Elucidate the impact of massive groundwater extraction on the environment.
 - iii) Explain the causes of wildfires and consequences with necessary illustrations.
 - iv) Discuss the role of public, education and media in hazard preparedness.
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