

B.Sc. 6th Semester (Honours) Examination, 2021-22

ENVIRONMENTAL SCIENCE

Course ID: 61816

Course Code: SH/ENV/603/DSE-3

Course Title: Natural Hazards and Disaster Management

Time: 1 hr 15 min.

Full Marks: 25

The figures in the right hand side margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any five questions from the followings: 1x5 = 5

- a) Define natural hazards.
- b) What are the effects of industrial accidents?
- c) What are the effects of geological hazards?
- d) Give some examples of landslides in India.
- e) What is the main cause of cyclone?
- f) What is a lake outburst flood?
- g) Why coastal zone management is important?
- h) What is the role of space technology in disaster management?

2. Answer any two questions from the followings: 5x2= 10

- a) Explain the concept of mitigation. What is the importance of planning, exercise, and training in preparedness? 2+3
- b) What are the components of risk in natural hazards?
- c) Give an account of the lessons from Bhuj earthquake and Tsunami disaster. 2.5+2.5
- d) What are the effects of tornadoes, cyclone and hurricanes?

3. Answer any one question from the followings: 10x1= 10

- a) What is vulnerability? Discuss on the reasons of vulnerability in natural hazards. 3+7
- b) Give an account of Bhopal gas tragedy and Chernobyl nuclear accident. 5+5