

Roll No.

70726

**M. Sc. (Environmental Science) 3rd Sem.
Open Elective Course Under CBCS
Examination – March, 2021**

DISASTER MANAGEMENT

Paper : 16ENVO2

Time : Three Hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note : Attempt *five* questions in all. Selecting at least *one* question from each Unit. Q. No. 1 is *compulsory*.

1. Define the following : 2 × 8 = 16

(a) Seismic Primary waves.

(b) Talus.

(c) Tectonic plates.

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- (d) Typhoons.
- (e) Polar vortex.
- (f) Fumaroles.
- (g) Rockfalls.
- (h) Meteosunami.

UNIT – I

2. (a) Discuss the different types of phases and causes of natural disaster. 8
- (b) What is rapid onset disaster ? Discuss it with examples. 8
3. Write note on the following :
 - (a) Change in coastal zones. 8
 - (b) Trends in meteorology and hydrology. 8

UNIT – II

4. Describe the following :
 - (a) Integrated flood management and Information System. 8
 - (b) Flood forecasting. 8

5. Write note on the following :

- (a) Physical characteristics of tsunami. 8
- (b) Mitigation of risks. 8

UNIT – III

6. Describe the following :

- (a) Landslides. 8
- (b) Volcanic land forms. 8

7. Write note on the following :

- (a) International Decade for Natural Disaster Reduction. 8
- (b) Various problems of financing and insurance. 8