

Roll No. :

Total No. of Questions : 7] [Total No. of Pages : 3

OLE-70726

**M.Sc. 3rd Semester (Open Elective Course) (PG)
Under CBCS Online Examination, April-2021**

ENVIRONMENTAL SCIENCE

Paper-16ENVO2

(Disaster Management)

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. Question No. 1 is compulsory. All questions carry equal marks.

1. Define the following :

(a) Gutenberg discontinuity

- (b) Asthenosphere
- (c) Country rocks
- (d) Caldera
- (e) Movement magnitude scale
- (f) Love wave
- (g) Anticyclone
- (h) Plate tectonic 2×8=16

Unit-I

2. Discuss the following :
 - (a) Definition of disaster and its causes
 - (b) The four phases of disaster 8,8
3. Write notes on the following :
 - (a) Beach protection
 - (b) Rapid onset and slow onset disaster 8,8

Unit-II

4. Discuss the following :
 - (a) Structure, nature and types of cyclones
 - (b) Volcanic landforms 8,8

5. Write notes on the following :
 - (a) Causes and physical characteristics of Tsunami
 - (b) Integrated flood management and information system 8,8

Unit-III

6. Write notes on the following :
 - (a) Scale of earthquake
 - (b) Landslides 8,8
7. Write notes on the following :
 - (a) UN draft resolution on strengthening of co-ordination of humanitarian emergency assistance.
 - (b) Disaster Early warning systems 8,8