

Roll No.

70726

**M. Sc. Environmental Science
3rd Semester (Open Elective Course)
Examination – November, 2018**

DISASTER MANAGEMENT

Paper : 16ENV02

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 : Question No. 1 is **compulsory**. Question No. 2 to 7 include *two* questions from each unit and candidates should attempt at least *one* question from each Unit. Overall, *five* questions are to be attempted. All questions carry equal marks.

1. Attempt the following questions : $2 \times 8 = 16$

(a) Hailstorms

(b) Tectonic movement

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- (c) Tides
- (d) Swell
- (e) Cinder cone
- (f) Talus
- (g) River terrace
- (h) Lava

UNIT – I

2. Discuss in detail the various types of rapid onset disasters which are caused due to endogenetic earth processes. 16
3. Write a note on :
 - (a) Coastal Erosion due to natural and anthropogenic factors. 8
 - (b) Slow onset disaster 8

UNIT – II

4. Write a note on :
 - (i) Flash flood and their hazardous effects 8
 - (ii) Causes of Tsunami and its effects 8

5. Discuss in detail the origin, types and effects of tropical cyclones. 16

UNIT – III

6. Discuss in detail the concept of vulcanicity and its early prediction. Classify the volcanoes on the basis of the nature of volcanic eruptions. 16
7. Discuss the phenomenon of Earthquake as an environmental hazard and its role in causing disaster to human society. 16