

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 × 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