

Roll No. : .....

Total No. of Questions : 16 ]

[ Total No. of Printed Pages : 3

# SENV-315

M.Sc. (IIIrd Semester) Examination, 2021

ENVIRONMENTAL SCIENCE

Paper - ESEO-304 (B)  
(Disaster Management)

Time : 1½ Hours ]

[ Maximum Marks : 40

Section-A

(Marks : 1 × 10 = 10)

*Note* :- Answer all *ten* questions (Answer limit **50** words). Each question carries  
1 mark.

Section-B

(Marks : 3 × 5 = 15)

*Note* :- Answer any *five* questions by selecting at least *one* question from each Unit  
(Answer limit **200** words). Each question carries **3** marks.

Section-C

(Marks : 5 × 3 = 15)

*Note* :- Answer any *three* questions by selecting *one* question from each Unit  
(Answer limit **500** words). Each question carries **5** marks.

Section-A

1 each

1. Attempt all questions.

- (i) What is natural disaster ?
- (ii) Define volcanoes with example.

BI-1027

( 1 )

SENV-315 P.T.O.

- (iii) Give *two* examples of earthquake disasters of India.
- (iv) Write full form of UNISDR.
- (v) In which year, the Disaster Management Act, came into force in India ?
- (vi) Define 'Tsunami'.
- (vii) What do you mean by Cyclone ?
- (viii) Write names of any *four* components of Disaster Relief.
- (ix) Write *two* differences between simple and complex disasters.
- (x) What is 'Epidemics' ?

**Section-B**

3 each

**Unit-I**

- 2. What is Hazard ? Write short note on concepts of hazards with examples.
- 3. What is Disaster ? Write note on technological disaster.
- 4. Differentiate between accidents and disasters.

**Unit-II**

- 5. Give detailed account on Disaster Risk Reduction Strategies.
- 6. Write the roles of early warning systems for effective management of Disasters.
- 7. Write a short note on United Nation International Strategy for Disaster Risk Reduction.

**Unit-III**

- 8. Write short note on Bhopal Gas Disaster.
- 9. Throw light on best practices in disaster management.
- 10. Discuss the hazard and vulnerability profile of India.

**Section–C**

5 each

**Unit–I**

11. Define Disaster. What are the types of disasters ? Discuss with suitable examples.

*Or*

12. What is Draught ? What are the types of draughts ? How can we mitigate the impacts of draught ?

**Unit–II**

13. Write notes on the following :

(a) Disaster Cycle

(b) Phases of Disaster

*Or*

14. Explain the principles of disaster epidemiology. Discuss about the environmental health hygiene and sanitation issues during disasters.

**Unit–III**

15. Give detailed account on the Disaster Management Act, 2005 and policy guidelines.

*Or*

16. Discuss in detail about :

(a) Orissa super-cyclone

(b) Gujarat Earthquake