

Roll No. :

Total No. of Questions : 16]

[Total No. of Printed Pages : 3

SEM-3012

M.Sc. (IIIrd Semester) Examination, 2022

ENVIRONMENTAL SCIENCE

Paper - ESEO-304 (B)

(Disaster Management)

Time : 3 Hours]

[Maximum Marks : 40

The question paper contains three Sections.

Section-A

(Marks : 1 × 10 = 10)

Note :- Answer all the *ten* questions carries 1 mark each. The answer should not exceed **50** words.

Section-B

(Marks : 3 × 5 = 15)

Note :- Answer *five* questions by selecting at least *one* question from each Unit. Each question carries **3** marks. Answer should not exceed **200** words.

Section-C

(Marks : 5 × 3 = 15)

Note :- Answer *three* questions by selecting *one* question from each Unit. Each question carries **5** marks. The answer should not exceed **500** words.

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(1)

SEM-3012 P.T.O.

Section–A

1. Attempt all questions.
 - (i) Define Risk.
 - (ii) What is Famine ?
 - (iii) Write about disaster management.
 - (iv) What do you mean by Vulnerability ?
 - (v) Define 'Disaster cycle'.
 - (vi) What do you mean by a hazard and vulnerability profile ?
 - (vii) Give the causes of floods.
 - (viii) Enlist major disasters in North India.
 - (ix) What are simple and complex disasters ?
 - (x) Give the major effects of Bihar floods.

Section–B

Unit–I

2. What are slow onset and rapid onset disasters ?
3. How human settlement induces disasters ? Explain.
4. Write the major causes and impacts of cyclone.

Unit–II

5. Give aims and objectives of UNISDR.
6. Write a note on 'Phases of Disaster'.
7. Discuss about principles of disaster epidemiology.

Unit–III

8. Write about the aims and objectives of Disaster Management Act, 2005.
9. Discuss about the Gujarat earthquake.
10. Write a note on Orissa Super-cyclone.

Section–C

Unit–I

11. What are natural disasters ? Explain causes, effects and mitigation measures of earthquake.

Or

12. Write about the concept of hazard. Describe the major causes of disaster.

Unit–II

13. Discuss in detail about components of disaster relief.

Or

14. Explain the disaster risk reduction strategies giving importance of early warning systems.

Unit–III

15. Describe the best practices in disaster management. Write a note on disaster management in India.

Or

16. Write short notes on the following :

- (a) Bhopal Gas disaster
- (b) South-Indian Tsunami