

CBCS SCHEME

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18EE753

Seventh Semester B.E. Degree Examination, Dec.2023/Jan.2024

Disaster Management

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. What is disaster? Discuss any two natural and man-made disasters. (10 Marks)
b. Explain the hazard potential of cyclone storms. (10 Marks)

OR

- 2 a. Mention the standard operating procedures of cyclone disaster management plan. (08 Marks)
b. Define the following : i) Storm surges ii) Violent storm. (04 Marks)
c. Explain the movement of cyclones in Indian seas. (08 Marks)

Module-2

- 3 a. What is hazard? Discuss the four stages cyclone warnings used in India. (10 Marks)
b. Explain the general system port warnings with day and night hoisting signals. (10 Marks)

OR

- 4 a. What are the emergency actions to be taken for the mitigation of cyclone effected people. (08 Marks)
b. With a note on vulnerability. (04 Marks)
c. What are the safety measures to be taken at ports when storm signals are hoisted? (08 Marks)

Module-3

- 5 a. Discuss the action plan to be done before the commencement of cyclone effect. (10 Marks)
b. What is the role of medical and health department in cyclone disaster management? (10 Marks)

OR

- 6 a. Discuss the role of red cross in disaster management. (10 Marks)
b. What is the role of broadcast, educational media in disaster management? (10 Marks)

Module-4

- 7 a. Mention the different techniques used to control flood. (08 Marks)
b. Explain the prime ministers 12 point programme for the management of drought. (12 Marks)

OR

- 8 a. Explain the role of banking, insurance and microfinance in drought mitigation. (10 Marks)
b. Explain the water purification technologies used in flood affected areas. (10 Marks)

Module-5

- 9 a. With necessary diagram, explain the parameters of earthquake. (10 Marks)
b. Discuss the five stages of water-sports life cycle. (10 Marks)

OR

- 10 a. What are the precautionary measures to be taken by fisherman at the time of Tusnami. (08 Marks)
b. Discuss the types of lighting. (12 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8 = 50, will be treated as malpractice.