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Seventh Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2025
Disasters Management

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. Explain the classification of low-pressure systems. (05 Marks)
 b. Explain the movement of cyclones in Indian seas. (05 Marks)
 c. Describe the storm surges with diagram. (10 Marks)

OR

- 2 a. Define disaster as per WHO. Name some of the man made and natural disasters. (10 Marks)
 b. Explain briefly statistics of cyclonic storm over Indian seas. (05 Marks)
 c. Enumerate (SOP) standard operating procedures of cyclones disaster management plan. (05 Marks)

Module-2

- 3 a. Briefly explain the emergency actions to be taken for cyclone affected people. (10 Marks)
 b. Explain the port warnings with day and night hoisting signals. (10 Marks)

OR

- 4 a. Explain the cyclone prediction and dissemination of warnings. (10 Marks)
 b. Define the following terms:
 i) Hazard ii) Risk iii) Preparedness iv) Mitigation v) Insurance. (10 Marks)

Module-3

- 5 a. Explain the 3-phases of disasters management by Zilla Parishad. (10 Marks)
 b. Explain the role of NDRF during disasters management. (10 Marks)

OR

- 6 a. Explain the role of medical and health department in cyclone disasters management. (10 Marks)
 b. Explain the roles of responsibilities of various agencies in disasters mitigation of management. (10 Marks)

Module-4

- 7 a. Explain the Prime Minister 12-point programme for the management of drought. (10 Marks)
 b. Explain water purification techniques in the flood affected area. (10 Marks)

OR

- 8 a. Explain briefly the role of central water commissions. (10 Marks)
 b. Describe with neat sketch rain water harvesting. (10 Marks)

Module-5

- 9 a. Enumerate the interior structure of the earth. (10 Marks)
 b. Explain Seismicity of India and plate tectonics. (10 Marks)

OR

- 10 a. Explain the earth quake forecast in disasters management. (10 Marks)
 b. Explain the summer thunder storms over India. (10 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.