Question Paper Code: 1037324

B.E. / B.Tech. DEGREE EXAMINATIONS, NOV/ DEC 2024
Seventh Semester
Civil Engineering
U20CE735 – DISASTER MANAGEMENT
(Regulation 2020)

Time: Three Hours   Maximum: 100 Marks

Answer ALL questions

PART – A   (10 x 2 = 20 Marks)

1.   Define the term: Disaster.

2.   What is a manmade disaster?

3.   Differentiate between hazard and risk.

4.   What are the impacts of disasters on ecology and the environment?

5.   How can we classify hazards?

6.   Write a note on early warning systems.

7.   Highlight the roles and responsibilities of NDMA.

8.   What about the role of the community in disaster management in India?

9.   Write a note on India's disaster flood.

10.   What is an avalanche?

PART – B   (5 x 16 = 80 Marks)

11. (a) Explain in detail about different types of natural disasters.   (16)

                              (OR)

    (b) Summarize the causes and prevention of chemical hazards.   (16)

12. (a) Discuss in detail about vulnerability and its different forms.   (16)

                              (OR)

    (b) Enumerate the process of disaster risk assessment in detail.   (16)

13. (a) Discuss National level institutional arrangements for disaster management.   (16)

                              (OR)

    (b) Explain the structural and non-structural components used in risk reduction strategies for flood.   (16)

14. (a) Summarize the salient features of recovery and rehabilitation after the disasters.   (16)

                              (OR)

    (b) (i) Summarize the role of Insurance companies in disaster management.   (8)
        (ii) Discuss the preventive measures for communicable diseases after the disaster.   (8)

15. (a) Outline the causes of the Tsunami 2004 which inflicted heavy loss of life and property along the coast of Tamil Nadu.   (16)

                              (OR)

    (b) (i) Enumerate the salient features of national disaster policy of india.
        (ii) summarize the role of GIS Applications and Information technology on Disaster Management.   (8+8)

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