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**Question Paper Code : 41297**

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Seventh/Eighth Semester

Electrical and Electronics Engineering

080230072/080290074/080280074 — DISASTER MANAGEMENT

(Common to Computer Science and Engineering, Electronics and Communication Engineering and Medical Electronics Engineering)

(Regulation 2008)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is the role of management in disasters?
2. Define Risk factor.
3. What are the technologies are available for risk reduction?
4. Differentiate intranets and extranets.
5. What is meant by Institution awareness?
6. Differentiate disaster risk assessment and hazard assessment.
7. Describe disaster preparedness.
8. What are the steps involved in risk communication?
9. What are the types of seismic waves occurred during earthquake?
10. Differentiate magnitude from intensity.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the goals and objectives of ISDR programme.

Or

(b) What is meant by Disaster management? Explain the different stages of Disaster management.

12. (a) Describe Remote sensing and GIS. Explain the contribution of remote sensing and GIS in risk reduction.

Or

(b) Write short notes on the following :

(i) RDBMS (5)

(ii) Management information systems (6)

(iii) Trigger mechanism. (5)

13. (a) What are the economic benefits of disaster risk reduction? How will you manage this by public awareness?

Or

(b) Describe various international disaster information networks available for Risk reduction. Explain briefly.

14. (a) Explain the precautionary and preventive measures to be followed in disaster management.

Or

(b) Explain the role of Indian Government in Disaster Management.

15. (a) How will you measure Earthquakes? Explain the disaster management plan for earthquake.

Or

(b) Discuss the causes of earthquake occurrence and explain the hazards associated with earthquakes.