Reg. No. : | | | | | | | | | | | | |

Question Paper Code : 11479

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2014.

Seventh Semester

Electrical and Electronics Engineering

080280074 — DISASTER MANAGEMENT

(Regulation 2008)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate between hazard and risk.
2. What are the agencies involved in the disaster management?
3. What are the applications of remote sensing in disaster reduction?
4. How are the advanced technologies useful in disaster management?
5. How is HAM radio useful during a disaster?
6. Who are the people listed in the disaster reduction committee at a district level?
7. What are the areas of improvement considered in disaster management?
8. What are the emergency planning needs to be adopted?
9. How is tsunami generated?
10. What are the steps to be taken by the residents during an earthquake in a residential building?

PART B — (5 × 16 = 80 marks)

11. (a) (i) Describe various disaster preparedness strategies. (8)

(ii) Explain the development plans adopted in disaster management. (8)

Or

(b) (i) Explain the risk sharing process in disaster mitigation. (8)

(ii) Describe the goal and objectives of ISDR programme. (8)

12. (a) (i) Explain the application of management information system in disaster management. (8)

(ii) Describe the role of intranets and extranets and video conferencing during disaster. (8)

Or

(b) (i) Describe the applications of Geographic Information Systems in disaster management. (8)

(ii) Explain the role of various databases in disaster risk reduction. (8)

13. (a) (i) Describe various trigger mechanism of disasters. (8)

(ii) Explain the risk reduction techniques by creating public awareness. (8)

Or

(b) (i) Explain the role of education in risk reduction. (8)

(ii) Describe the disaster information network for risk reduction. (8)

14. (a) (i) Explain the financial arrangements involved in development planning. (8)

(ii) Explain the emergency response system for risk reduction. (8)

Or

(b) (i) Explain the community based disaster management techniques. (8)

(ii) Describe the implications of development planning during disasters. (8)

15. (a) (i) Explain various types of seismic waves and their behaviors. (8)

(ii) Describe the various intensity and magnitude of earthquake. (8)

Or

(b) (i) Explain different types of faults and their role in earthquake. (8)

(ii) Explain the working of various instrumentation used to measure earthquake. (8)
