

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Pharm - SEMESTER-VII • EXAMINATION – SUMMER-2017

Subject Code: 2270017

Date: 10/05/2017

Subject Name: Disaster Management

Time: 02:30 PM to 05:30 PM

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|-------------|---|-----------|
| Q.1 | (a) Differentiate between hazard and risk and define hazard assessment. | 06 |
| | (b) What are the emergency planning needs to be adopted? | 05 |
| | (c) Explain the role of education in risk reduction. | 05 |
| Q.2 | (a) “Steps in the process of disaster preparedness” elucidate. | 06 |
| | (b) What is “financial arrangements”? Mention some objectives of ISDR programme. | 05 |
| | (c) Explain the emergency response system for risk reduction. | 05 |
| Q.3 | (a) Explain the legal / financial problems the management has to face if safety measures taken by them are found to be in-adequate. | 06 |
| | (b) What are the areas of improvement considered in disaster management? | 05 |
| | (c) Explain the community based disaster management techniques. | 05 |
| Q.4 | (a) What are the factors to be considered while planning the rebuilding works after a major disaster due to earthquake? | 06 |
| | (b) Explain various types of seismic waves and their behaviors. | 05 |
| | (c) Describe the various intensity and magnitude of earthquake. | 05 |
| Q.5 | (a) Explain i) types of remote sensing & ii) data acquisition techniques. | 06 |
| | (b) Explain different types of faults and their role in earthquake | 05 |
| | (c) Explain the working of various instrumentation used to measure earthquake. | 05 |
| Q. 6 | (a) Write a note on national policy of disaster management in India. | 06 |
| | (b) What is GPS and explain its techniques. | 05 |
| | (c) Explain the role of non-government and inter-government agencies in disaster management. | 05 |
| Q.7 | (a) Write a note on early warning disaster communication system. | 06 |
| | (b) Give the application of science and technology for disaster management. | 05 |
| | (c) Write a brief note on post disaster role of government. | 05 |
