

GUJARAT TECHNOLOGICAL UNIVERSITY**M. E. - SEMESTER – II • EXAMINATION – SUMMER • 2013****Subject code: 1724804****Date: 03-06-2013****Subject Name: Planning for Disaster Management****Time: 10.30 am – 01.00 pm****Total Marks: 70****Instructions:**

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

- Q.1** (a) Elaborate the relationship among hazard, vulnerability and disaster. 07
(b) Enumerate and explain principles of disaster management. 07
- Q.2** (a) Explain disaster potential in India in context of vulnerability. 07
(b) What are the suggestions and its impacts derived by UN through International Strategy for Disaster Risk Reduction (ISDR)? 07
- OR**
- (b) Write explanatory note on: role of ICT in disaster risk reduction. 07
- Q.3** (a) Enlist and explain various physical and temporal characteristics of hazard occurrence. 07
(b) Write detailed note on social, physical and economic vulnerability. 07
- OR**
- Q.3** (a) How vulnerability analysis is performed and incorporated in urban planning? 07
(b) Which are the methods of hazard assessment? Explain any two in detail. 07
- Q.4** (a) What is the role of education in disaster management? 07
(b) How capacity building and capability of communities can be improved as a part of strategic planning? 07
- OR**
- Q.4** (a) What are the functions of State executive committee of SDMA? 07
(b) Explain in detail: City Disaster Management Plan (CDMP). 07
- Q.5** (a) Write an elaborative note on command functions of ICS. 07
(b) Explain various components of shelter for emergency. 07
- OR**
- Q.5** (a) Explain the causes of a flood. Distinguish between natural and manmade flood. 07
(b) Write a detailed note on importance and procedure of micro-zonation in land use planning. 07
