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GUJARAT TECHNOLOGICAL UNIVERSITY ME I – SEMESTER II • EXAMINATION – SUMMER - 2016

Subject Code: 2724804 Date: 27/05/2016 **Subject Name: Planning for Disaster Management** Time: 10:30 AM TO 1:00 PM **Total Marks: 70 Instructions:** 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 0.1 (a) What measures would you suggest for disaster mitigation in draught prone 07 areas of Rajasthan? (b) Analyze the role of State Government in disaster management. Discuss with a 07 case example of an incidence. 0.2 (a) Enlist natural hazards. Discuss any two in detail. 07 **(b)** Describe the causes and impacts of landslide. **07** OR **(b)** Write a note on avalanche hazard mitigation and management plans. 07 Q.3 (a) Discuss the impact of sea level rise. 07 **(b)** Define risk and highlight various elements at risk. 07 OR Q.3What are the major causes and impacts of chemical disaster? 07 (a) 'Risk can be reduced through community actions.' Discuss. (b) 07 What are the driving forces of vulnerability of cities? 0.4 07 (a) Write a note on social infrastructure for vulnerability reduction. 07 OR (a) Discuss the principles of disaster prevention, preparedness and mitigation. 07 0.4 **(b)** Explain the concept and significance of disaster preparedness plan. 07 0.5 (a) What is Emergency Operations Centre? List its functions. 07 (b) Discuss the need of Response Plan. Highlight the role of other agencies in the 07 Response Plan OR 0.5 (a) Discuss the institutional framework for disaster response at Central, State and **07** District levels. **(b)** Explain the nature of damage to houses in earthquake aftermath. **07**
