Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER – V (NEW) EXAMINATION – WINTER 2015

Subject Code: 2150003 **Date: 15/12/ 2015**

Subject Name: Disaster Management

Time:10:30am to 1:00pm **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)** Explain the importance of the subject "Disaster Management" as a part of B. Tech. study. **07**

(b) Suppose you are appointed as an in-charge of disaster management cell of a village which is categorized under Zone V for Earthquake. Write in brief your plan of action towards **07**

- Prevention and Mitigation of Disasters,
- Early Warning System, Preparedness and Capacity Development;
- Awareness During Disaster, Evacuation and Disaster Communication;
- Search and Rescue, Relief and Rehabilitation;
- Post-disaster Damage and Needs Assessment;
- Restoration of Critical Infrastructure;
- Early Recovery, Reconstruction and Redevelopment

Q.2 **(a)** Write short note on Disaster Management. **07**

(b) Write short note on Geological Disasters. **07**

OR

(b) Explain about Disaster Communication System. **07**

Q.3 **(a)** Explain in brief about global disaster trends. **07**

(b) Explain about pre-disaster risk assessment, analysis, risk mapping, zonation and microzonation. **07**

OR

Q.3 **(a)** Classify disaster and explain effect of climate change on disaster. **07**

(b) Explain about disaster safe designs and constructions. **07**

Q.4 **(a)** Explain about IDNDR. **07**

(b) Explain about National Guidelines and Plans on Disaster Management. **07**

OR

Q.4 **(a)** Discuss in brief about mega disasters of India and lessons learnt from them. **07**

(b) Explain about role of Geo-informatics in disaster management. **07**

Q.5 **(a)** Explain about Hyogo Framework of Action. **07**

(b) Explain about Structural & Non Structural mitigation of disasters. **07**

OR

Q.5 **(a)** Explain about role of Government (local, state and national) agencies in disaster management. **07**

(b) Explain about S & T Institutions for Disaster Management in India. **07**

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