Seat No: ____

Enrollment No: _____

PARUL UNIVERSITY FACULTY OF ENGINEERING & TECHNOLOGY

M.Tech., Winter 2019-20 Examination

Semester: 3 Subject Code: 203216232 Subject Name: Disaster Management

Date: 26/11/2019 Time: 10:30am to 1:00pm Total Marks: 60

Instructions:	
 All questions are compulsory. Figures to the right indicate full marks. 	
3. Make suitable assumptions wherever necessary.	
4. Start new question on new page.	
Q.1 A) Define landslides. Explain types of landslides.	(05)
B) How you can relate disaster with development?	(05)
C) Define risk mapping and capacity development.	(05)
Q.2 Answer the following questions. (Attempt any three) (Each five mark)	(15)
A) Define remote sensing. What are the components of remote sensing?	
B) Discuss salient features of Disaster management act 2005.	
C) Differentiate between disaster and hazard with example.	
D) Differentiate between GIS and GPS. Give applications of GPS.	
A) Draw a neat sketch of disaster management cycle? Explain all the phases in disaster management Q.3	(07)
cycle.	(0)
B) Define Early warning system (EWS). How to tackle flood and earthquake by early warning	(08)
system?	(00)
OR	
B) Explain biological disaster in detail	(08)
A) Discuss the functions of various authorities:	
i. National Disaster Management Authority (NDMA) Q.4	(07)
ii. State Disaster Management Authority (SDMA)	(0)
iii. District Disaster Management Authority (DDMA)	
OR	
A) Define venerability in brief and explain types of venerability in detail.	(07)
B) Define man-made disaster. Explain Bhopal Gas tragedy.	(08)