CLASS: M.TECH   SEMESTER : I
BRANCH: ROMOTE SENSING   SESSION : MO/18

SUBJECT: RS506 REMOTE SENSING IN DISASTER MANAGEMENT

TIME: 3 HOURS   FULL MARKS: 50

INSTRUCTIONS:
1. The question paper contains 5 questions each of 10 marks and total 50 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Before attempting the question paper, be sure that you have got the correct question paper.
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a)	What are the different subclasses of Natural disaster? Give one example for each subclass.	[5]
Q.1(b)	Explain the term 'Disaster Management'. Describe administrative structure of Disaster Management in India.	[5]
Q.2(a)	How can Hazard and Vulnerability evaluation help in Risk assessment? Explain.	[5]
Q.2(b)	Application of GIS in Disaster mapping and Disaster management planning – Describe and justify.	[5]
Q.3(a)	Describe principles and components of mitigation.	[5]
Q.3(b)	Write short notes on Disaster legislation and policy.	[5]
Q.4(a)	How can Spatial and Non-spatial data bank creation be useful for Disaster management planning under a GIS environment? Describe.	[5]
Q.4(b)	How can Operational Emergency Management be planned/designed using geoinformatics?	[5]
Q.5(a)	How is Geoinformatics used in Tsunami Impact Assessment? Explain in brief with proper application of different Geospatial techniques.	[5]
Q.5(b)	Landslide hazard management in the Himalayan region with help of geoinformatics – justify with a case study.	[5]