

B.E. Sixth Semester (Civil Engineering) (CGS)
10207 : Elective - I : Disaster Management : 6 FECE 05

P. Pages : 2

Time : Three Hours



AU - 2737

Max. Marks : 80

- Notes :
1. Answer **Three** question from Section A and **Three** question from Section B.
 2. Due credit will be given to neatness and adequate dimensions.
 3. Assume suitable data wherever necessary.
 4. Illustrate your answer necessary with the help of neat sketches.
 5. Use of pen Blue/Black ink/refill only for writing the answer book.

SECTION - A

1. a) What are national disaster management guidelines? 7
- b) What is disaster? What are its types? 7

OR

2. a) Describe the disaster management cycle. 7
- b) What is disaster? What is the difference between natural & manmade disaster. 7
3. a) Describe the lessons and experiences from the various disasters in India. 8
- b) What is Tsunami? Give its characteristics. 5

OR

4. Explain the role of various International organizations in disaster management. 13
5. a) How do you protect yourself & your family in case of Earthquake? 6
- b) What is Flood? Write damages caused due to flood. 7

OR

6. a) How can Earthquakes be recorded? Discuss the instrument components which measure the seismic waves. 6
- b) Explain various regions of our country prone to flood. 7

SECTION - B

7. a) What is meant by flood forecasting and warning. 7
- b) Discuss about flood forecasting according to Indian Meteorological department. 7

OR

8. a) Which are various application of remote sensing technology in disaster management? 7
b) Discuss about various action plans for flood forecasting. 7
9. a) What is meant by emergency plan rehearsal? What are the advantages of such rehearsals? 7
b) How to apply disaster risk reduction programme? 6

OR

10. a) Write the role played by NDRF, Civil defence and armed forces during man made disasters. 7
b) What is the need of Psychosocial support & mental health in disaster. 6
11. a) Explain the Role of engineer in disaster reduction techniques. 6
b) How to increase awareness among people about disaster risk. 7

OR

12. a) What immediate actions you will initiate when the quarters of your factory workers are suddenly flooded due to breach (Crack or hole) in a nearby lake/dam, during heavy rain? 7
b) What type of disaster is expected in cotton mills & oil refineries. 6

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