

(3 Hours)

[ Total Marks : '80

- N.B. :** (1) Attempt any four questions out of six questions.  
 (2) Write with Legible handwriting.  
 (3) Draw neat and clean diagrams wherever necessary.

1. a) What are the long term and short term effects of disaster. 20  
 b) How Hazard different from Disaster? How does hazard lead to a Disaster?  
 c) How is Global warming different from Green House Effect?  
 d) What is Volcano? Comment on Volcanic Index.
2. a) What is earthquake? Explain its Driving force, Impact and Mitigation Management. 10  
 b) What are the various types of Disaster and Explain in detail with the help of a neat diagram the various phases in Disaster Management. 10
3. a) What is Tsunami? How does the Tsunameter help in predicting a Tsunami? 10  
 b) How is Financing taken care during a natural disaster? 10
4. a) State disaster management act. 5  
 b) Write in detail on mass casualty management. 7  
 c) Discuss role and scope of National Disaster Management Authority (NDMA) and National Institute of Disaster Management (NIDM). 8
5. a) How do GIS and GPS applications help in disaster management? 10  
 b) Explain role of NGO's in post disaster scenario and during rehabilitation. 10
6. a) Explain the Do's and Dont's during various Disasters. 6  
 b) Comment on Nuclear Disaster. 5  
 c) Explain the Mitigation Measures taken for Drought. 5  
 d) What are various international relief and aid agencies playing important role in disaster management. 4