

ME sem I | mech | CBCS | AH 2019

22/05/2019  
Q.P. Code: 21977

[3 Hours]

[ Total Marks: 80]

Please check whether you have got the right question paper.

- 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) Define disaster, explain with examples the difference between hazard and vulnerability. (5)  
b) What are the long term and short term effects of disaster? (5)  
c) How is Global warming different from Green House Effect? (5)  
d) What is Volcano? Comment on Volcanic Explosivity Index. (5)
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) How do floods takes place? What are the possible risk reduction measures? Comment about the flood management in India. (10)  
b) Explain the physics of cyclone, state various types, How cyclones are tracked. (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 (NDIM). (8)
5. a) How do GIS and GPS applications bring effective 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) How is Financing done during disaster? (5)  
c) Explain the Mitigation Measures taken for Tsunami. (5)  
d) What are various international relief and aid agencies playing important role in disaster management? (4)

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