

**M. Sc. (Ag) Semester-III Examination 2016**

**Course: PGS 506(e)  
(Disaster Management)**

**Time: 3 hours**

**Full Marks: 80**

***Questions are of values as indicated in the margin.***

***Question No 8 is compulsory and answer any four from the rest.***

1. What do you mean by disaster? Write in details about the different types of disaster. What do you mean by disaster management? Write in details about the different phases of emergency management in the new concept of disaster management. 3+5+4+4=16
  2. What is earthquake? How is earthquake measured? What are the different fault types that cause earthquake? What are the safety guidelines to be followed to prevent damage due to earthquake? 3+3+3+7=16
  3. What is soil erosion? Classify soil erosion. Describe the steps of water erosion. What are the losses due to water and wind erosion? Suggest measures to control soil erosion. 2+4+3+3+4=16
  4. What do you mean by climate change? What are the greenhouse gases? What is ozone layer? What do you mean by ozone depletion? What are the consequences of climate change? 3+3+2+3+5=16
  5. What do you mean by flood? What are the different types of flood? What are the causes of flood? Enlist the effects of flood. Suggest few ways to combat flood. 3+4+3+3+3=16
  6. What do you understand by pollution? What are the different types of pollution? Discuss about point and non point source of water pollution. What are the diseases caused by water pollution? What are the measures to reduce water pollution? 3+3+5+2+3=16
  7. Explain the role of the following organization in managing disaster (*any four*) : 4x4=16
    - a) NDMA
    - b) Electronic media
    - c) Defence force
    - d) NGOs
    - e) Private organisation
    - f) Local administration
  8. Write down short notes on (*any four*): 4x4=16
    - a) Tsunami
    - b) Forest fire
    - c) Terrorism, a new disaster
    - d) Uttarakhand cloud burst and its impact
    - e) Nuclear disaster
    - f) Bhopal gas tragedy
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