

OLD
3 HOURS

[Total Marks : 100]

- N.B. 1) Q.1 is compulsory.
2) Attempt any four out of the remaining questions.
3) Figures to the right indicate full marks.

- Q.1 Answer briefly. Each question carries 04 marks. (20)
- Define Disaster and differentiate between disaster mitigation and disaster management.
 - List the major disasters that have occurred worldwide in the year 2015.
 - What is hazard? What are its different types?
 - Comment on the significance of forest fires worldwide.
 - Define : Epicentre, Focus, Hypocentre, Richter scale, Seismograph
- Q.2 (20)
- Write an explanatory note on occurrence, causes and measurement of earthquake. Comment on some major earthquakes which have taken place recently. 10
 - Write an explanatory note on Tsunami covering its causes, characteristics, predictability & adverse effects. 10
- Q.3 (20)
- How do floods take place? What are the possible risk reduction measures? Comment about the floods that occurred in Kedarnath valley in 2013. 10
 - Discuss about the types, causes and adverse effects of a landslide. What are the possible risk reduction measures? State the probable causes of Malin, Pune landslide which took place last year. 10
- Q.4 (20)
- Write a note on Community based disaster management. 08
 - Explain the scope and responsibilities of National Institute of Disaster Management (NIDM) and National disaster management authority (NDMA) in India. 12
- Q.5 (20)
- What can be done to reduce the risk of mass casualty situations? Comment on the reasons of stampedes that occur at religious places. Suggest measures to overcome them. 10
 - Describe the disaster management act 2005. 10
- Q.6 (20)
- Explain the role of central and state governments in disaster management. 10
 - Explain nuclear hazards with suitable examples. 10
- Q.7 (20)
- In event of a major natural disaster, outbreak of epidemics is a common phenomenon. Why does this occur? Suggest some preventive measures. 10
 - Haphazard and rapid urbanization is responsible for some disasters. Give your detailed comment. 10