

Time 3 hrs

Max Marks 80

- Note: (1) Attempt any four questions out of six questions
(2) Legible handwriting and practical, real time examples will be appreciated
(3) Draw neat and clean sketches to explain concepts

Qu.1 Answer briefly any five of the following, each question carries four Marks. (20)

- What are natural and manmade disasters.
- Explain with graphical representation increase in the frequency of natural disasters.
- What precautions are expected in mass casualty management
- Write on local and distant Tsunami.
- Prior to 2005 what were the schemes introduced in financing the disaster.
- Write of medical aid providing agencies those work during and after disaster

Qu 2

- Write an explanatory note on occurrence, causes and measurement of earthquake. Comment on how Japan, which is prone to earthquake every other day, deals with it (10)
- Discuss about the types, causes and adverse effects of a landslide. Cite the recent real time examples of major landslides during these five years. (10)

Qu.3

- Explain the physics of cyclone, differentiate between cyclone and storm surge, How cyclones are tracked. (10)
- Write an explanatory note on Tsunami covering its causes, characteristics, predictability & adverse effects. What role can GIS and GPS play in reducing the impact of Tsunami (10)

Qu. 4

- Explain Disaster Management Act and its provisions. (7)
- Discuss the functions of National Disaster Management Authority (NDMA) and National Institute of Disaster Management (NDIM) (8)
- How command and coordination is maintained in disaster management explain in brief (5)

Qu. 5

- What are the various nodal agencies and ministries of the government monitoring during disasters (7)
- How applications of GIS and remote sensing in disaster management is effective, explain (7)
- Explain role of NGO in disaster management (6)

Qu. 6

- List financial institutions and functions of the same in case of disaster (4)
- Role of government in during disaster and post disaster measures (5)
- Explain the functions of sea walls and embankment in case of pre-disaster measures (4)
- Explain capacity development, training, awareness and education, contingency plans (7)