

M/E S E M-I / Choice / All Branch / First half 2018
24/5/2018
Sub: DMM.

Q.P. Code : 21976

[3 Hours]

[Marks: 80]

Please check whether you have got the right question paper.

- N.B:**
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.

1. Answer briefly any **four** of the following, each question carries 05 marks. 20
 - a) Define disaster, explain with examples the difference between hazard and vulnerability.
 - b) Explain with graphical representation increase in the frequency of natural disasters.
 - c) What precautions are expected in mass casualty management?
 - d) Write on local and distant Tsunami.
 - e) Define risk and suggest two ways of reducing risk with appropriate examples.
2.
 - a) 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
 - b) Write an explanatory note on occurrence, causes and measurement of earthquake. List out some of the major earthquakes occurred in India. 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) Explain Disaster Management Act and its provisions. Explain paradigm shift in disaster management in India. 10
 - b) Discuss the administrative structure and the institutions set up to handle disasters citing examples of the ministries involved. 10
5.
 - a) How applications of GIS and remote sensing in disaster management is effective explain with case study. 10
 - b) How the financing is done in case of disaster, especially a reconstruction phase. What are the legal aspects to be looked in short. 10
6.
 - a) Explain role of NGOs in disaster management at large 5
 - b) Explain role of an International agencies in extreme events 5
 - c) Sea walls: its functions and case study 5
 - d) What are do's and dont's in case of disasters. 5