

B.Tech III Year II Semester (R13) Regular & Supplementary Examinations May/June 2017

DISASTER MANAGEMENT & MITIGATION

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)

- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What is an environmental hazard? Give example.
 - (b) List the applications of human ecology in geographical researches.
 - (c) Define the two types of environmental hazards.
 - (d) Define extra planetary hazards. Give an example.
 - (e) State the classification of volcanoes.
 - (f) Write a short note on body waves of earthquakes.
 - (g) Differentiate between tropical cyclone and local storms.
 - (h) List any four causes of floods.
 - (i) What is vulnerability?
 - (j) What is a disaster management cycle?

PART – B

(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

- 2 Explain the different approaches to disaster management and its relation with human ecology.
- OR**
- 3 Give an account of environment stress. What are the different types of environmental stress?

UNIT – II

- 4 Explain in detail planetary hazards with examples.
- OR**
- 5 What are natural hazards? Explain the different types of natural hazards with its effect on mankind.

UNIT – III

- 6 What is a landslide? What are the different types of landslides? What is their adverse effect on settlements built on steep slopes?
- OR**
- 7 State the general characteristics of earthquake. What are the different causes of earthquakes?

UNIT – IV

- 8 What are the general characteristics of a cyclone? What are the possible risk reduction measures for occurrence of cyclone?
- OR**
- 9 Discuss briefly the factors and causes of soil erosion.

UNIT – V

- 10 Explain in detail the disaster mitigation approach for drought prone areas.
- OR**
- 11 Give a brief account of disaster preparedness and mitigation in case of flood management.
