

Code: 13A01607

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

**DISASTER MANAGEMENT & MITIGATION**

(Civil Engineering)

Time: 3 hours

Max. Marks: 70

**PART – A**  
(Compulsory Question)

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- 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.

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