

B.Tech III Year II Semester (R15) Regular Examinations May/June 2018
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) How does a Socio economic vulnerability is defined?
 - (b) Landscape plays an important role in disaster nowadays-How?
 - (c) How can you relate fire to a manmade hazard?
 - (d) Is Landslide an Exogenic hazard? Justify.
 - (e) List out some Do's and Don'ts during earthquake.
 - (f) Differentiate active and dormant volcanoes.
 - (g) Is your state have experienced drought? Collectively mention the causes for it.
 - (h) Banning Nuclear power plants will be helpful in preventing us from chemical hazard. Comment on this topic.
 - (i) Represent the components of disaster management cycle diagrammatically.
 - (j) What does mitigation process consists of?

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

UNIT – I

- 2 By suiting some case studies, elaborate slow and sudden changes of nature that prevails in your state and discuss why it happens so.

OR

- 3 Discuss the following approaches and comment its applications:
- (a) Landscape approach.
 - (b) Ecosystem approach.
 - (c) Perception approach.

UNIT – II

- 4 Classify disaster on basis of their origin and explain the same.

OR

- 5 Differentiate Endogenous and Exogenous hazards by giving examples.

UNIT – III

- 6 Discuss some basic concepts of Earthquake resistant structures.

OR

- 7 List out Do's and Don'ts for prevention of life and property during Endogenous hazards.

UNIT – IV

- 8 Suggest some long term measures to escape from the loss due to drought.

OR

- 9 Comment on the, sedimentation of soil due to erosion in making a disaster.

UNIT – V

- 10 Explain the various phases of disaster management cycle and illustrate with examples.

OR

- 11 If you are a member of state disaster management authority, explain the mitigation actions that you would take during Tsunami.