

Roll No.

Total No. of Pages : 02

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B.Tech. (Civil Engg.) (Sem.-4)
DISASTER PREPAREDNESS & PLANNING

Subject Code : BTCE-405-18

M.Code : 77648

Date of Examination : 12-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

1. Answer briefly :

- a) Define Emergency with example.
- b) What are general types of vulnerabilities in Disaster Management?
- c) Enlist the disasters caused by human negligence/mistakes.
- d) What do you understand by capacity in Disaster Management Parlance?
- e) Write a brief account on rescue and relief operations.
- f) Write an account on metrological hazards.
- g) What do you know about NDRF?
- h) Draw disaster risk triangle.
- i) Enlist some of emergency management systems deployed at the time of disaster.
- j) Enlist the classification of cyclones based on intensity.

SECTION-B

2. Give a brief overview of disaster management scenario in India; also enlist the organizational structure for the same.
3. What is Urban Flooding? What are its main causes? How can it be prevented? Explain with examples from India.
4. Discuss the application of GIS and remote sensing systems in Disaster Management with example.
5. State the role of knowledge-based expert systems in hazard scenario. How can the community be helpful in the management of disaster?
6. Discuss some of the methods of effective dissemination of information during disaster.

SECTION-C

7. What do you understand by Vulnerability and Vulnerability Assessment? Explain various types of vulnerability in disaster management. How is vulnerability assessment helpful in disaster management?
8. Explain the various phases of Disaster Management Cycle in detail. Support your answer with neat sketch.
9. Enlist some of the key features of Disaster Management Act 2005 and explain the role, responsibilities and organizational structure of NMDA?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.