

Please check that this question paper contains 09 questions and two printed pages within first ten minutes.

[Total No. of Questions: 09]

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Uni. Roll No.

Program: B.Tech. (Batch 2018 onward)

Semester: 3rd

Name of Subject: Disaster Preparedness and Planning

Subject Code: PCCE-104

Paper ID: 16023

Time Allowed: 03 Hours

Max. Marks: 60

NOTE:

- 1) Parts A and B are compulsory
- 2) Part-C has Two Questions Q8 and Q9. Both are compulsory, but with internal choice
- 3) Any missing data may be assumed appropriately

Part – A

[Marks: 02 each]

Q1.

- a) What impacts do disasters have on the society?
- b) How tsunami is different from flood?
- c) What is chemical hazard?
- d) Why there is a need for vulnerability and capacity assessment?
- e) What are the different responsibilities of NDMA?
- f) Examine the socio-economic cost of natural disasters.

Part – B

[Marks: 04 each]

- Q2. What are the different principles of disaster management?
- Q3. Write a short note on prevention, mitigation and preparedness.
- Q4. Describe the applications of GIS. Discuss, how closely GIS is related to remote sensing?
- Q5. How the existing skills of gender sensitive disaster management approach can be sharpened?
- Q6. Why there is need for rescue operations in response phase of disaster management?
- Q7. Give the mitigation measures for i) Earthquake and ii) Droughts.

Part – C

[Marks: 12 each]

Q8. What are the various lessons and experiences from various important disasters with the specific reference to civil engineering?

OR

Explain different types of natural and non natural disasters.

Q9. How the risk assessment is carried out? Also explain with one example how risk mapping is done?

OR

Define the term Rehabilitation and Reconstruction. Mention the various points that are generated from experiences in rehabilitation and reconstruction activities disaster management.
