

B.Tech. V -sem. (Main) Examination, Nov. - 2019
PCC/PEC Civil Engg.
5CE5-12 Disaster Management

Time : 2 Hours

Maximum Marks : 80
Min. Passing Marks : 28

Instructions to Candidates:

Attempt all five questions from Part A, four questions out of six questions from Part B and two questions out of three from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.

PART - A

(Answer should be given up to 25 words only)

All questions are compulsory (5×2=10)

- Q1. What is disaster?
- Q2. Differentiate Man-made and Natural disaster.
- Q3. Differentiate Geological and Biological disasters.
- Q4. What do you understand by Pre and post disaster?
- Q5. Define the term risk mapping.

PART - B

(Analytical/Problem solving questions)

Attempt any four questions (4×10=40)

- Q1. Explain the following terms.
 - a) Vulnerability
 - b) Hazard
- Q2. What are the types of disasters?
- Q3. Describe thunder storms, hail storms and cold heat waves.

- Q4. What are the Man - made disasters?
Q5. Describe the Technological disasters.
Q6. Write the common safety tips for various disasters.

PART - C

(Descriptive/Analytical/Problem Solving/Design Questions)

Attempt any two questions

(2×15=30)

- Q1. What are the causes of disaster also write their impact and preventive measures?
Q2. Discuss the disaster management cycle and its components.
Q3. Discuss the role of Government and Non-Government agencies in disaster management.
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1E2207

Roll No. _____

Total No of Pages: **2****1E2207****B. Tech. I Sem. (Back) Exam., Dec. 2019
CE-101 Environmental Engineering &
Disaster Management****Time: 3 Hours****Maximum Marks: 80
Min. Passing Marks: 28****Instructions to Candidates:**

Attempt any five questions including Question No. 1, which is compulsory. All questions carry equal marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly. Use of following supporting material is permitted during examination. (Mentioned in form No. 205)

1. NIL2. NIL

- Q.1 (a) Describe the Biotic and Abiotic environment with examples. [2]
(b) Explain the energy flow in ecosystem. [2]
(c) Explain the Population Dynamics. [2]
(d) Discuss Environmental Hazards. [2]
(e) Explain Earthquake energy. [2]
(f) What is Bio-Diversity? [2]
(g) Explain sanitary land fill. [2]
(h) What is chemical cycle? [2]
- Q.2 (a) Explain Noise Pollution. What are the sources of noise pollution? Explain various measures to control noise pollution. [8]
(b) Write notes on Acid Rain and Greenhouse effect. [8]

Q.3 Write the notes on following –

- (i) Ozone depletion [4]
- (ii) Global warming [4]
- (iii) Fire Hazards [4]
- (iv) Rain water harvesting [4]

Q.4 (a) What is solid waste management? Discuss all steps involved in an ideal solid waste management practice. [8]

(b) Explain harmful effects of Air Pollution and give the different methods to control Air pollution. [8]

Q.5 (a) Describe the components of Ecosystem and role of Biodiversity in conservation of Ecosystem. [8]

(b) Explain the Environmental Acts. [8]

Q.6. Write notes –

- (a) Tsunamis [4]
- (b) Cyclones [4]
- (c) Land slides [4]
- (d) Floods [4]

Q.7 (a) Define magnitude of earthquakes and write a note of qualitative classification of earthquakes. [8]

(b) Explain major causes of damages in different types of structures during earthquakes. [8]

PL

7E1714	Roll No. _____	Total No of Pages: 2
	7E1714 B. Tech. VII - Sem. (Main) Exam., Feb.- March - 2021 OE - I Open Elective-I Civil Engineering 7CE6 – 60.2 Disaster Management	

Time: 2 Hours

[To be converted as per scheme]

Max. Marks: 82

Min. Marks: 29

Instructions to Candidates:

Attempt all ten questions from Part A, four questions out of seven questions from Part B and two questions out of five from Part C.

Schematic diagrams must be shown wherever necessary. Any data you feel missing may suitably be assumed and stated clearly. Units of quantities used /calculated must be stated clearly.

Use of following supporting material is permitted during examination. (Mentioned in form No. 205)

1. NIL

2. NIL

PART – A

(Answer should be given up to 25 words only)

[10×2=20]

All questions are compulsory

- Q.1 What are the consequences of disaster on a society?
- Q.2 What are the major man-made causes of floods?
- Q.3 Who are the National Disaster Risk Reduction Stakeholders?
- Q.4 Is there a national disaster management policy, act or related legislation?
- Q.5 What is response time?
- Q.6 What is radiological and nuclear disaster?

- Q.7 Describe cyclones.
Q.8 What is industrial disaster?
Q.9 What are natural hazards?
Q.10 What is disaster management cycle?

PART – B

(Analytical/Problem solving questions)

[4×8=32]

Attempt any four questions

- Q.1 What are coping strategies with disaster?
Q.2 Explain dimensions of vulnerability factors for earthquake hazards.
Q.3 Explain disaster management cycle.
Q.4 What are industrial safety plans; safety norms and survival kits?
Q.5 Write about legislative support at the state and national level for disaster management.
Q.6 Explain disaster phenomena.
Q.7 Write about disaster resources and their utility in disaster management.

PART – C

(Descriptive/Analytical/Problem Solving/Design Questions)

[2×15=30]

Attempt any two questions

- Q.1 Explain Disaster Management Act and Policy in India.
Q.2 What are the different types of disaster management?
Q.3 What are the objectives of disaster management?
Q.4 Explain steps for formulating a disaster risk reduction plan.
Q.5 What are vulnerabilities to flood and earthquake hazards?
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