

Roll No. ....

Total Pages : 3

**002410**

**August/September 2022**

**B.Tech. (Civil) IV SEMESTER**

**Disaster Preparedness and Management**

**(PCC-CE-203)**

Time : 3 Hours]

[Max. Marks : 75

*Instructions :*

1. *It is compulsory to answer all the questions (1.5 marks each) of Part-A in short.*
2. *Answer any four questions from Part-B in detail.*
3. *Different sub-parts of a question are to be attempted adjacent to each other.*

**PART-A**

1. (a) What do you understand by disaster? (1.5)
- (b) What is risk? (1.5)
- (c) What is ecological fragility? (1.5)
- (d) Define soil erosion. (1.5)
- (e) What do you understand by climate change? (1.5)
- (f) Define national disaster trends. (1.5)
- (g) What are the early warning systems? (1.5)

002410/170/111/535

*228* [P.T.O.]

- (h) Define capacity assessment. (1.5)  
(i) What do you understand by word sustainability? (1.5)  
(j) What is urbanization? (1.5)

**PART-B**

2. (a) Explain hazard, vulnerability and risk. (10)  
(b) Differentiate prevention and mitigation. (5)
3. (a) Give brief explanation for natural and manmade disasters. (10)  
(b) What is the hazard and vulnerability profile of India? (5)
4. (a) Explain demographical aspects of Disaster. (10)  
(b) Explain global and national disaster trends? (5)
5. What do you understand by disaster management cycle also explain its phases? (15)
6. (a) What are the roles and responsibilities of Government and communities towards disaster? (8)  
(b) What are the policies and legislation for disaster risk reduction? (7)

7. (a) Explain environmental modifications including dam, land-use changes and urbanization. (8)  
(b) Explain sustainable and environmental friendly recoveries. (7)