24 NOV 2025 BE CSE(AIML) (SEM-VII) C SCHEME DMMM QP CODE: 10095995

Duration: 3hours **Total marks: 80**

N.B:
1. **Question No:1 is compulsory**
2. Attempt **any three** questions from the remaining **five questions**.
3. Figures to the right indicates full marks

Q 1		**(20)**
a	Explain the concept of Capacity building along with suitable example.	
b	Define the terms disaster, hazard, vulnerability and risk.	
c	State the do's and don't to be followed during outbreak of fire in a chemical factory.	
d	Mention the probable reasons of flash floods occuring in Northern parts of the country.	
Q 2		**(20)**
a	In what way haphazard urbanisation contributes to increased vulnerability to disasters.	10
b	Describe the roles & functions of NIDM (National Institute of Disaster Management).	10
Q 3		**(20)**
a	Describe the measures that are taken to preserve the environment in and around a nuclear power plant. Comment on the effectiveness of these measures with reference to some nuclear power plant in the nearby vicinity.	10
b	Discuss the preventive measures for: i) Landslides. ii) Urban floods.	10
Q 4		**(20)**
a	Describe the key provisions & objectives of Disaster Management Act, 2005.	10
b	Describe the common causes of Industrial and Chemical Disaster.	10
Q 5		
a	Elaborate the importance of disaster risk mapping with focus on Role of GIS in the process.	10
b	Discuss the role of NGO's in funding the pre-disaster and post disaster activities.	10
Q 6		**(20)**
a	Discuss the Concept: Risk transfer and Risk financing with suitable examples.	12
b	Elaborate on the PDCA cycle of disaster management.	08

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