

M.E. CONS. ENGG. 1ST YEAR 2ND SEMESTER EXAM.-2024

DISASTER MITIGATION ENGINEERING

Time : Three hours

Full Marks : 100

(50 Marks for each Part)

**Instructions : Use Separate Answer scripts for each Group
Answer All Questions**

No of Questions	Part I (50 Marks)	Marks
Q1.(a)	What are the objectives of National Policy of Disaster Management	10
Q1.(b)	On 23th December, 2005 GOI passes Disaster Management Act,2005 what was the paradigm shift on Disaster Management from earlier approach in India in this act. Explain in short.	05
Q1.(c)	Explain the whole cycle of modern disaster management approach that we are considering now a days after implementation of DM Act,2005.	10
Q2.(a)	Discuss “Early warning system for thunderstorm on lightning”	10
Q2.(b)	Discuss disaster mitigation in “Seismic” perspective in brief	15

[Turn over

Construction Engineering Department
M.E, 1st Year 2nd Semester Examination 2024
Sub: Disaster Mitigation Engineering

PART II Marks: 50

Write a short on the following

Answer any Ten[10 ×5=50]

Use Separate answer sheet for each part

1. Write a short note on Management and Rehabilitation after natural disaster
2. What are the necessary steps for Rehabilitation after natural disaster?
3. Write a short note on Disaster loss computation technique
4. What are the basic reasons of Drought and how its impact on environment?
5. How the blast effect on a RCC structure and how can we minimize the loss of life due to blast effect?
6. Differentiate with example of natural and man-made disaster.
7. What are the basic causes of flood and how floods are effect on a society?
8. How the Flood control and mitigation plan can be implemented on the flood prone area?
9. How the Cyclones creates impact on social environment?
10. Draw a flow chart diagram for Hazards reduction programme and write down few steps for relief measures on cyclone effected area.
11. What are the basic causes of Land slide and how can we minimize the land slide?
12. Disaster loss computation technique
13. Management and Rehabilitation after natural disaster.