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**S – 6989**

Reg. No. : .....

Name : .....

**Third Semester M.S.W. Degree Examination, February 2024**

**Disaster Management**

**SWDM 534.2 : SCIENCE AND TECHNOLOGY FOR RISK ASSESSMENT,  
PREVENTION AND PREPAREDNESS**

**(2022 Admission)**

Time : 3 Hours

Max. Marks : 75

PART – A

Answer **all** questions in not more than **50** words. Each question carries **2** marks.

1. Risk index.
2. Epidemic.
3. EIA.
4. HAZUS methodology.
5. Emergency Operations Centres.
6. Sustainable Development.
7. Community Radio.
8. Emergency Alert System.
9. Land Use planning.
10. Retrofitting.

**(10 × 2 = 20 Marks)**

P.T.O.



## PART – B

Answer any **five** of the following in not more than **300** words. Each question carries **5** marks.

11. Comment on Build Back Better (BBB).
12. What is Simple triage and rapid treatment (START)?
13. Write a short note on Seven Cardinal Rules of Risk Communication.
14. Explain ALOHA hazard modelling.
15. Write a note on HAZOP.
16. Comment on Community-Based Early Warning Systems.
17. Explain Participatory Mapping For Disaster Reduction.
18. Write a note on Low cost and Low Tech disaster proof Shelters.

**(5 × 5 = 25 Marks)**

## PART – C

Answer any **three** of the following in not more than **850** words. Each question carries **10** marks.

19. Write an essay on Emergency Support Function (ESF).
20. Elaborate on the concept Ecosystem Based Approaches to DRR.
21. Explain the structure of Incident Response System (IRS).
22. Write an essay on Evaluation of Disaster Risk using various models.
23. Critically analyse the role of technologies in DRR.

**(3 × 10 = 30 Marks)**

