

(Pages : 2)

**V – 5569**

Reg. No. : .....

Name : .....

**Fourth Semester M.S.W. Degree Examination, June 2025**

**Disaster Management**

**SWDM 544.2 : GEO-INFORMATICS AND APPLICATIONS IN DISASTERS**

**(2022 Admission Onwards)**

Time : 3 Hours

Max. Marks : 75

SECTION – A

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

1. Natural hazards
2. USGS
3. Geospatial data
4. Drought
5. NRSC
6. Remote Sensing
7. Disaster recovery
8. Optimal route model
9. Relief web
10. Applied Geoinformatics

**(10 × 2 = 20 Marks)**

P.T.O.



## SECTION – B

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

11. Analyse multi hazard vulnerability reduction by using geoinformatics.
12. Explain the significance of GAR (global risk atlas) in disaster mitigation.
13. Examine the role of UN-SPIDER in disaster management.
14. Illustrate the geoinformatics technologies used in the recovery phase of Haiti earthquake.
15. Give an account on National mapping agencies in India.
16. How do GIS help in Land use/Land cover mapping?
17. Discuss on GIS based pollution monitoring techniques.
18. List out the significance of NRSC in disaster management.

**(5 × 5 = 25 Marks)**

## SECTION – C

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

19. Give a detailed account on the steps for the preparation of landslide hazard vulnerability assessment maps.
20. Discuss the geoinformatics technologies used in disaster preparedness.
21. Explain the role of Geo-informatics in recovery stage of Kavalappara landslide - 2019
22. Examine the application of GIS in natural resource studies and management.
23. Analyse the application of geoinformatics in the selection of waste disposal sites.

**(3 × 10 = 30 Marks)**

