Reg. No. : ....

Name : ....

Fourth Semester M.S.W. Degree Examination, July 2024

Disaster Management

SWDM 544.2 : GEO–INFORMATICS AND APPLICATIONS IN DISASTERS

(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. Disaster

2. Mitigation

3. GIS

4. UN-SPIDER

5. Flood

6. Forest Management Information System

7. Land Use/Land Cover

8. Coastal vulnerability index

9. NASA

10. Hazard zonation

(10 × 2 = 20 Marks)

PART – B

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

11. Write a short note on state mapping agencies.

12. Examine the significance of USGS foreign hazard maps.

13. Explain the use of base maps in disaster preparedness planning.

14. Give an account on National database for emergency management.

15. Elaborate the significance of space technology in Wenchuan earthquake relief.

16. Illustrate the geospatial approaches to damage assessment during disasters.

17. Discuss the role of geoinformatics in watershed management.

18. Geo-informatics can be integrated with social work- Justify.

(5 × 5 = 25 Marks)

PART – C

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

19. Examine the application of geoinformatics in multi phases of disaster management.

20. Give a detailed account on key components and functionalities of an FMIS.

21. Examine the role of geoinformatics in disaster response and emergency operations.

22. Explain the role of geoinformatics in recovery stage of Kerala floods-2018.

23. Examine the challenges and solutions to the application of geoinformatics in societal setting.

(3 × 10 = 30 Marks)

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