Reg. No. : ....

Name : ....

Fourth Semester M.S.W. Degree Examination, August 2022

Disaster Management

SWDM 544.2 : GEO INFORMATICS AND APPLICATIONS IN DISASTERS

(2020 Admission)

Time : 3 Hours   Max. Marks : 75

SECTION – A

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

1. Natural Resources

2. Digital Terrain Modelling

3. Urban sprawl

4. Forest fire

5. Slope Stability

6. Water quality monitoring

7. Mapping urban land-use

8. Solid waste management

9. Urban Information System

10. Municipal Solid Waste

(10 × 2 = 20 Marks)

SECTION – B

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

11. Explain the impact of mining on land resources.

12. Briefly explain snow cover mapping and modelling approaches.

13. Write a short note on Geoinformatics and drainage network analysis.

14. Describe applications of remote sensing and GIS in Dam site selection.

15. Explain the importance of GIS in flood management.

16. List out four application of Geoinformatics in forest fire management?

17. Describe the application of GIS in cyclone studies.

18. Write a short note on remote sensing application in hydro-geomorphological interpretation.

(5 × 5 = 25 Marks)

SECTION – C

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

19. Explain the importance of Geoinformation in Geo-technical Engineering.

20. Describe the relevance of geoinformatics in Environmental Management.

21. Explain the application of GIS in Disaster Management.

22. Discuss mapping and modelling of Landslide hazards.

23. Briefly explain the role of remote sensing in Water Resource studies.

(3 × 10 = 30 Marks)

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