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V – 5566

Reg. No. :

Name :

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

Disaster Management

SWDM 543.2 : GEOGRAPHIC INFORMATION SYSTEM (GIS) AND GLOBAL POSITIONING SYSTEM (GPS) TECHNOLOGIES IN DISASTERS

(2022 Admission Onwards)

Time : 3 Hours

Max. Marks : 75

PART – A

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

1. Visual image interpretation
2. IL WIS
3. Attribute data
4. Geocoding
5. Spatial data error
6. Proximity analysis
7. Focal Operations
8. Open Source Software
9. Spatial data models
10. Elevation data models

(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. Write short note on spatial vs. non-spatial data.
12. Give a detailed note on coordinate system.
13. Write a brief account on Vegetation Indices.
14. Topological models in GIS – Explain.
15. Write on significance of Secondary Data sources in GIS.
16. Comment on Overlay Analysis in GIS.
17. Write a short note on Raster Data Analysis Techniques.
18. Significance of Image correction in Remote Sensing data.

(5 × 5 = 25 Marks)

PART – C

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

19. Applications of Navigational Satellite Systems in disaster management.
20. Write an account on various resolutions of Remote Sensing data.
21. How to use Geospatial Data for managing Social Issues?
22. Write an essay on Visual Interpretation Elements of remote sensing images.
23. Briefly explain the Digital Image classification methods.

(3 × 10 = 30 Marks)

