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Reg. No. : .....

Name : .....

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

Disaster Management

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

(2022 Admission)

Time : 3 Hours Max. Marks : 75

SECTION – A

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

1. Digital Image.

2. SAGA.

3. Land Cover.

4. Pre-processing.

5. Metadata.

6. Geotagging.

7. Buffer operation in GIS.

P.T.O.

8. Vectorization.

9. DEM expand and explain.

10. Zonal operations.

(10 × 2 = 20 Marks)

SECTION – B

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

11. Write an account on Resolutions of remote sensing data.

12. Explain various methods of attribute data query.

13. Write notes on NDVI.

14. Write an account on Supervised Classification.

15. Components of Data Quality in GIS.

16. Explain on Vector Overlay Analysis in GIS.

17. Radiometric correction of Remote Sensing data.

18. Spatial data standards.

(5 × 5 = 25 Marks)

SECTION – C

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

19. Write an essay on Visual Interpretation Elements of remote sensing image

20. Applications of GPS in disaster management-Comment.

21. Discuss the application of spatial data analysis to solve societal problems and challenges.

22. Write a note on spatial data models.

23. Explain Raster Data Analysis Techniques.

(3 × 10 = 30 Marks)

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