Reg. No. : ....

Name : ....

Third Semester M.S.W. Degree Examination, July 2023

Disaster Management

SWDM 533.2 : GEOGRAPHICAL INFORMATION SYSTEMS IN DISASTER MANAGEMENT

(2020 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. Comment on Metadata

2. Various Geometries of Vector data

3. Open Street Map (OSM)

4. Cartesian coordinate system

5. GIS Software's

6. GNSS- Expand and comment

7. What is IRNSS

8. Web GIS

9. Basic unit of Raster data

10. Attribute data in GIS

(10 × 2 = 20 Marks)

SECTION – B

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

11. GIS based disaster risk reduction.

12. What is Spatial Data? Compare raster and vector data.

13. Comment on Projections systems.

14. Explain Pre-Processing techniques.

15. What is Coordinate System? Explain its types.

16. Application of Geoinformatics in Morphometric Analysis.

17. Explain about Database Query in GIS.

18. Write a short note on Spatial Interpolation techniques in GIS.

(5 × 5 = 25 Marks)

SECTION – C

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

19. What is GPS? Explain the GPS application in detail.

20. Describe the concept of Database management Systems.

21. Write an account on components of GIS.

22. Write an essay on the Sources of spatial data error and data quality.

23. Briefly explain the historical development of GIS.

(3 × 10 = 30 Marks)

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