Reg. No. : ....

Name : ....

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

Disaster Management

SWDM 543.2 – GEOGRAPHICAL INFORMATION SYSTEM (GIS) AND GLOBAL POSITIONING SYSTEM (GPS) TECHNOLOGIES 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. Map projections

2. Projected Coordinate System

3. Categories of Maps

4. GLONASS

5. Data Compression

6. Expand and write short note on WGS 84

7. Geospatial data

8. Attribute data

9. Spatial data models

10. Cartography

(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 spatial vs. non-spatial data.

12. Give a detailed note on coordinate system.

13. Write notes onmaps.

14. Describe the current issues and trends in GIS.

15. List out dimensions of spatial data.

16. Explain the Basics of Cartography.

17. Explain Raster Data Analysis Techniques.

18. Define IRNSS.

(5 × 5 = 25 Marks)

SECTION – C

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

19. Applications of GPS in disaster management - Comment.

20. Describe the current issues and trends in GIS.

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

22. Components of GNSS.

23. Briefly explain the different Components of GIS.

(3 × 10 = 30 Marks)

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