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S – 5086

Reg. No. :

Name :

Fourth Semester M.S.W. Degree Examination, October 2023

Disaster Management

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

(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. Attribute data.
2. Scanner.
3. Geographic Coordinate System.
4. Digitization
5. Expand and explain UTM.
6. Data Input.
7. Which are the probable geometries of Spatial data in GIS?
8. Basic unit of vector data is and basic unit of raster data is...
9. Data Compression.
10. What is QZSS?

(10 × 2 = 20 Marks)

P.T.O.



SECTION – B

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

11. What are the components of GIS?
12. Explain various methods of attribute data query.
13. Write notes on map elements.
14. Components of GNSS.
15. Database Management Systems.
16. Explain the Basics of Cartography.
17. Describe the current issues and trends in GIS.
18. Explain WAGE.

(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 various map projections.
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)

