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S – 6987

Reg. No. :

Name :

Third Semester M.S.W. Degree Examination, February 2024

Disaster Management

**SWDM 533.2 : GEOGRAPHICAL INFORMATION SYSTEM IN
DISASTER MANAGEMENT**

(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. Russian GNSS
2. Toposheets
3. NRSC
4. Active Remote Sensing
5. Atmospheric Window using for Flood Monitoring
6. Working Principle of GPS Positioning
7. FOSS
8. Graphical User Interface
9. Cartesian coordinate System
10. Datum

(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. Write a short note on Geospatial Data and its Classification.
12. Briefly explain the concept of Spectral Signature with neat diagrams.
13. Explain Sources of errors in GPS reading.
14. Explain the components of GIS.
15. Write a short note on Map Elements.
16. Briefly explain Data capture techniques in GIS.
17. Differentiate CAD and GIS.
18. Relevance of Database Management Systems 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. Explain Map Projections and its Classifications.
20. What is GPS? Explain the GPS application in disaster Management.
21. Explain the importance of GIS in Disaster Management.
22. Discuss Data sources and errors.
23. Briefly explain the historical development of GIS.

(3 × 10 = 30 Marks)

