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**U – 6368**

**Reg. No. :** .....

**Name :** .....

**Third Semester M.S.W. Degree Examination, March 2025**

**Disaster Management**

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

**(2022 Admission Onwards)**

Time : 3 Hours

Max. Marks : 75

**SECTION – A**

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

1. Define GIS.
2. Photogrammetry.
3. Sources of Raster Data.
4. GPS.
5. Types of Maps.
6. CAD.
7. Active remote sensing.
8. GLONASS.
9. Free and open-source GIS packages.
10. Atmospheric windows.

**(10 × 2 = 20 Marks)**

P.T.O.



## SECTION – B

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

11. Explain the components of Geoinformatics.
12. Highlight the key applications of GPS.
13. What are the characteristics of Maps?
14. Explain the importance of cartography in disaster management.
15. Compare CAD and GIS.
16. Explain GNSS systems.
17. Write a short note on Geoinformatics a multidisciplinary subject.
18. Give an overview of Q-GIS software.

**(5 × 5 = 25 Marks)**

## SECTION – C

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

19. Discuss the use of GIS technology in disaster management.
20. Explain Database Management systems in GIS. Discuss its functions.
21. Discuss Remote sensing technology and emergency management. Explain its advantages and disadvantages.
22. Describe Raster and Vector data.
23. Explain the recent trends in geoinformatics.

**(3 × 10 = 30 Marks)**

