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M.A./M.Sc.

GEOGRAPHY

**Gg-314 : Geoinformatics - III
(2008 Pattern) (Semester-III)**

Time : 3 Hours]

[Max. Marks : 80

Instructions to the candidates:

- 1) Attempt any four questions.*
- 2) All questions carry equal marks.*
- 3) Use of map stencil and calculator is allowed.*

Q1) Explain the importance of Grid operations in data analysis.

Q2) Give an account of Network and surface analysis as major components in spatial analysis.

Q3) What is Digital Image Processing? Mention types of systematic and non-systematic errors.

Q4) What is image enhancement? Describe different methods of image enhancement.

Q5) Discuss the ISODATA approach in unsupervised classification in detail.

Q6) What is classification accuracy? Explain user's accuracy and mapping accuracy in detail.

Q7) Write notes on any two:

- a) SRTM
- b) Thermal RS
- c) LIDAR

