

M.Sc. (Part—I) Semester—II (CBCS Scheme) Examination
GEOINFORMATICS
MGI-204 : Spatial Modeling and Analysis

Time : Three Hours]

[Maximum Marks : 80

Note :— (1) **ALL** questions are compulsory and carry equal marks.
(2) Draw neat sketches wherever necessary.

1. Write in brief on the following :
 - (a) Types of spatial models
 - (b) Conceptual model

OR

- (c) Descriptive and process models
 - (d) Needs of spatial models.
2. Give an account on Raster modeling with example.

OR

Explain in detail about the discrete and continuous data.

3. Write in brief on the following :
 - (a) Operators and functions
 - (b) Surface analysis

OR

- (c) Contour and hydrologic analysis
 - (d) Mapping density.
4. Explain in detail about the creation of a TIN from a raster.

OR

Give an account on creation of surface models.

5. Write in brief on the following :
 - (a) Mapping contours
 - (b) Slope calculating models

OR

- (c) Analyzing surfaces
 - (d) Models for calculating area and volume.

