

M.Sc. Part-I Semester-I (CBCS Scheme) Examination
GEOINFORMATICS
MGI-102 : INTRODUCTION TO GIS

Time : Three Hours]

[Maximum Marks : 80

N.B.:— (1) All questions are compulsory and carry equal marks.

(2) Draw neat sketches wherever necessary.

1. Write in brief on the following :

- (a) Components of GIS
- (b) Thematic characteristics of spatial data

OR

- (c) Air photos
- (d) Maps and spatial information.

2. Give an account on spatial and attribute data with suitable examples.

OR

Explain in detail about the layered approach and object database management system.

3. Write in brief on the following :

- (a) Manual digitization scanning
- (b) Data input and editing

OR

- (c) Integrated GIS database
- (d) Encoding methods of data input.

4. Explain in detail the problems of raster and vector overlays.

OR

Give an account on GIS for surface analysis.

5. Write in brief on the following :

- (a) Non-cartographic outputs
- (b) Models of spatial processes

OR

- (c) Models of physical processes
- (d) Problems related to using GIS to model spatial processes.

