Roll No. .... **Total Pages : 02**

MDQ/M-20 5548

FUNDAMENTAL OF GEOGRAPHICAL INFORMATION SYSTEMS (THEORY)
Geog-405(A)

Time : Three Hours] [Maximum Marks : 40

Note : Attempt *Four* questions in all. Q. No. **1** is compulsory. Attempt other *three* questions by choosing at least *one* question from each Unit. All questions carry equal marks.

1. Answer the following in brief :
   (i) Tessellation
   (ii) Node
   (iii) Geoid
   (iv) Attribute
   (v) Geo-spatial data.

Unit I

2. What do you understand by Data Capture ? Discuss its format in GIS.

3. Discuss the advantages and limitations of vector and raster data in detail.

4. Describe the significance of database management system in GIS.

Unit II

5. Describe the properties of spherical coordinate system. Write its significance in GIS.

6. What do you understand by real time mapping ? Write a note on GIS applications in real time mapping.

7. Elaborate upon current issues in GIS. Describe it with reference to big data.