PAPER SET-1

Unique paper Code: **61018518**

Name of the Course: **B. Voc (Web Designing)**

Name of Paper: **Geographical Information System**

Semester: **V**

Duration: **3 Hours**   Maximum Marks: **75**

Instructions for Students

1. Questions one is compulsory and All questions carry equal marks
2. Use of stencil is allowed for drawing outline of maps.
3. Answer may be written either in English or Hindi; but the same medium should be used throughout the paper.

[Section A]

All questions carry equal marks.   *15 Marks*

1. **Write short notes.**

   A. What is Georeferencing and write the various steps of Georeferencing.

   B. Spatial and Non-spatial data

   C. Explain the procedure of LIKE operator in SQL with one suitable example.

   D. Buffering

   E. Define GPS and DGPS

[Section B]

Attempt any **four** questions. **All questions carry equal marks.**   *60 Marks*

2. What is GIS? List out the key components of Geographic Information system.

3. Discuss the various applications of GIS in forest monitoring and mapping.

4. Explain vector and raster to represent geographic space in map with suitable example and illustrations.

5. Describe SQL and discuss the various options of query in GIS with suitable example.

6. What do you mean by Vector overlay? Explain Point-in-polygon overlay, Line on-polygon overlay.