

[This question paper contains 2 printed pages.]

Your Roll No.....

**Sr. No. of Question Paper : 4166**

Unique Paper Code : 61018518

Name of the Paper : Geographical Information System (GEC-5.2)

Name of the Course : **B.Voc. (Web Designing / Software Development) (CBCS) 2019**

Semester : V

Duration : 3 Hours

Maximum Marks : 75

**Instructions for Candidates**

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt **all** questions.
3. **All** questions carry equal marks.

1. Discuss the various components of GIS with suitable examples.

**Or**

What do you mean by overlay? Explain the various types and methods of overlay analysis.

P.T.O.

2. Discuss the various segments of GPS and also explain the principles of DGPS.?

**Or**

Discuss advantages and limitations of vector and raster data structure in detail.

3. Define land use and land cover mapping? Discuss the various applications of land use and land cover mapping in detail.

**Or**

What do you mean by Editing in GIS? Explain the various methods of Editing.

4. Define Georeferencing. Discuss the significance of Georeferencing in detail.

**Or**

What is map layout? Explain the various elements of Map Layout.

5. Discuss spatial and Non-spatial data structure with suitable examples.

**Or**

Explain how GIS is helpful in forest inventory mapping?