

Total No. of Questions : 10]

SEAT No. :

P2067

[Total No. of Pages : 2

[5059]-672

B.E. (Information Technology)
GEO INFORMATICS SYSTEM (End Semester)
(2012 Pattern) (Elective - II) (Semester - I)

Time : 2 ½ Hours]

[Max. Marks : 70

Instructions to the candidates:-

- 1) *Neat diagrams must be drawn wherever necessary.*
- 2) *Assume suitable data, if necessary.*

Q1) a) Explain Spatial referencing system. **[5]**

b) Explain the framework for GIS. **[5]**

OR

Q2) a) Explain linkage of GIS to remote sensing. **[5]**

b) Explain Electromagnetic remote sensing process in detail. **[5]**

Q3) a) Explain the comparison between Active sensor & passive sensor. **[5]**

b) Explain basic elements of image interpretation. **[5]**

OR

Q4) a) Explain different sensor parameters. **[5]**

b) Explain process of spatial filtering technique. **[5]**

P.T.O.

- Q5)** a) Explain conversion of existing data. [8]
b) Write short note on : [8]
i) Location error
ii) Topological error

OR

- Q6)** a) Explain geometric transformation. [8]
b) Explain existing GIS data with example. [8]
- Q7)** a) Explain the comparison of raster & vector based data analysis. [8]
b) Explain the concept of data exploration. [8]

OR

- Q8)** a) Explain basic elements of GIS model. [8]
b) Explain different type of operation in raster data analysis. [8]
- Q9)** a) Explain the components of ITS & its integration with GIS. [9]
b) Explain concept of software engineering as applied to GIS. [9]

OR

- Q10)** a) Describe different application of GIS. [9]
b) Explain integration of GPS & GIS. [9]

