

Total No. of Questions : 10]

SEAT No. :

P2359

[Total No. of Pages : 2

[5254] - 692

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

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Answer Q.1 or Q.2, Q3 or Q4, Q5 or Q6, Q7 or Q8, Q9 or Q10.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Assume suitable data if necessary.*

- Q1)** a) What are the applications of remote sensing. [5]
b) Explain GIS categories. [5]

OR

- Q2)** a) Explain Basic elements of Image interpretation. [5]
b) List and explain any 2 basic character of digital images. [5]

- Q3)** a) Write short note on SAR. [5]
b) Explain the Radar principle. [5]

OR

- Q4)** a) Explain basic elements of Image Interpretation. [5]
b) Explain spatial filtering. [5]

- Q5)** a) Explain Geo matrix transformation in detail. [8]
b) Explain types of errors. [8]

OR

- Q6)** a) Describe attribute data in GIS. [8]
b) List sources of errors in GIS and explain the same. [8]

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- Q7)** a) Explain basic elements of GIS modeling. [10]
b) Differentiate between Vector and Raster data. [8]

OR

- Q8)** a) Explain types of data queries. [6]
b) Explain binary and Index model. [6]
c) Explain buffering and overlay. [6]

- Q9)** a) Explain components of ITS and its architecture. [8]
b) List urban and municipal applications. [8]

OR

- Q10)** a) Explain Geospatial database design methodology. [8]
b) Explain GIS can be used for vehical routing & scheduling by municipal corporation. Assume suitable data. [8]

