

Total No. of Questions : 10]

SEAT No. :

P1877

[4859]-1068

[Total No. of Pages : 2

B.E. (Information Technology)
GEO INFORMATICS SYSTEM
(2012 Pattern) (Elective - II) (414457 D) (Semester - I)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8 and Q9 or Q10 .*
- 2) Neat diagrams must be drawn wherever necessary.*
- 3) Figures to the right side indicate full marks.*
- 4) Assume suitable data if necessary.*

Q1) a) Explain in detail types of map scale. **[6]**

b) What is the role of computer in Map Production. **[4]**

OR

Q2) a) Explain in detail SLAR. **[6]**

b) List and explain satellite system. **[4]**

Q3) a) What are the imaging sensor system? **[6]**

b) Explain Three dimensional interpretation Method. **[4]**

OR

Q4) a) Write short note on IRS. **[5]**

b) Write & explain aerial photo interpretation. **[5]**

Q5) a) Explain factors that affecting the Reliability of GIS data. **[8]**

b) Write a short Note on (Any two): **[8]**

i) RMS Error.

ii) Location Error.

iii) Topological Error.

OR

P.T.O.

- Q6)** a) What are the sources of error in GIS & its effects? [8]
b) Explain the error which may occur in vector GIS? Explain the error caused to data during vector to raster conversation? [8]

- Q7)** a) What are the attributes of data query? [8]
b) Explain in detail raster data query. [8]

OR

- Q8)** a) What are application of buffering? [8]
b) How pattern analysed in vector data? [8]

- Q9)** a) What is open source GIS? Explain with example. [9]
b) Explain GIS can be used for vehical routing & scheduling by munical corporation assume suitable data. [9]

OR

- Q10)**a) Draw & explain architecture of ITS. [9]
b) What is the role of GIS in urban Management? Explain in brief. [9]

