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**GIH 401**

**First Semester M.Sc. Degree Examination, December 2018/January 2019  
(CBCS)  
GEOINFORMATICS  
Data Acquisition and Data Processing**

Time : 3 Hours

Max. Marks : 70

I. Define **any five** of the following :

**(2×5=10)**

- 1) Spatial data
- 2) Map data
- 3) Satellite data
- 4) Vector data
- 5) Aerial photos
- 6) Data input
- 7) Flatbed scanner.

II. Write a short note on **any five** of the following :

**(4×5=20)**

- 8) Drum scanner.
- 9) Concepts of spatial data.
- 10) Sources of attribute data.
- 11) Data from toposheets.
- 12) Advantages of primary data.
- 13) Thematic map.
- 14) Data storing.

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III. Answer **any four** of the following :

**(5×4=20)**

- 15) Write a note on methodology and relevance of attribute data.
- 16) Discuss vector and raster data formats.
- 17) Discuss on source of secondary data.
- 18) Explain photo interpretation techniques.
- 19) Write a note on spatial resolution.

IV. Essay type questions :

20) Write a detailed note on extraction of spatial data.

**(1×10=10)**

OR

What is digitization ? Discuss the different modes of digitization.

21) Write a note on analogue to digital data conversion.

**(1×10=10)**

OR

Write a detailed note on DBMS model.

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