

**POST GRADUATE CERTIFICATE IN  
GEOINFORMATICS (PGCGI)**

**Term-End Examination, 2019**

**MGY-001 : INTRODUCTION TO GEOINFORMATICS**

**Time : 2 Hours]**

**[Maximum Marks : 50**

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**Note : All questions are compulsory.** Internal choices are given in questions nos. 2 to 4. The marks for each question are indicated against it.

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1. Answer all parts :

(a) Fill in the blanks with appropriate word(s):[3x1=3]

(i) GAGAN stands for .....

(ii) Raster data represents ..... values.

(iii) HDF is a .....

(b) State if the following statements are True (T) or False (F) : [3x1=3]

(i) 1 : 1000 is considered as very small scale.

(ii) FOSS is a vector data.

(iii) MODIS is a high resolution satellite data.

- (c) Match the items given in Column-A with those given in Column-B : [4x1=4]

<b>Column-A</b>	<b>Column-B</b>
(i) Anderson	(1) Dem Data
(ii) JERS-1	(2) Earth Model
(iii) Ellipsoid	(3) Microwave remote sensing
(iv) HYDR01k	(4) LULC Classification.

2. Write short notes on **any four** of the following :[4x5=20]

- (a) Comparison of Raster and Vector data
- (b) BSQ
- (c) Properties of Map Projections
- (d) Scale based Maps
- (e) Mobile GIS
- (f) NNRMS
- (g) Applications of Geoinformatics in water resource management.

3. Write a note on the application of Geoinformatics in monitoring urban sprawl and infrastructure. [10]

**OR**

Write a note on the sources of Raster (Remote Sensing Satellite Data) and vector data.

4. Discuss the trends in optical and Microwave remote Sensing. [10]

**OR**

Explain various Map elements and their relevance.

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