

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

**Term-End Examination**

**December, 2018**

01052

**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 no. 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). 3×1=3

(i) SDSS stands for \_\_\_\_\_ .

(ii) Vector data represents \_\_\_\_\_ features.

(iii) GEOTIFF is a \_\_\_\_\_ .

(b) State whether the following statements are *True (T)* or *False (F)* : 3×1=3

- (i) 1 : 100000 is considered as large scale.
- (ii) 3D GIS necessarily requires DEM.
- (iii) LISS IV is high resolution data.

(c) Match the items given in Column A with those given in Column B : 4×1=4

<i>Column A</i>	<i>Column B</i>
(i) NDVI	(1) Atmospheric Studies
(ii) Geoid	(2) 60 Zones
(iii) UTM	(3) Earth Model
(iv) NOAA	(4) Vegetation Index

2. Write short notes on any **four** of the following : 4×5=20

- (a) Data Processing Steps
- (b) BIP
- (c) Types of Map Projections
- (d) Map Scales
- (e) Web GIS
- (f) NSDI
- (g) Applications of Geoinformatics in Meteorological Studies

3. What is e-Governance ? Describe any four applications of geoinformatics in e-Governance. 10

**OR**

Write a note on various kinds of data with special emphasis to spatial and non-spatial data. Give tables and figures wherever required.

4. Discuss the components of Geoinformatics. Add a short note on its advantages. 10

**OR**

Describe any five types of slopes and five types of landforms with their contour representations.

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