

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

Term-End Examination

00774

December, 2016

MGY-001 : INTRODUCTION TO GEOINFORMATICS

Time : 2 hours

Maximum Marks : 50

Note : *All questions are compulsory. Internal choices are given in questions no. 2 to 4. The marks for each question are indicated against it.*

1. Answer **all** parts :

(a) Fill in the blank spaces with appropriate word(s). 3×1=3

(i) GRASS is an example of _____ geospatial tool.

(ii) MERIS stands for _____ .

(iii) PMGSY stands for _____ .

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

(i) BIP stands for Band Image Pixel.

(ii) NRC stands for Net Resources Census.

(iii) NUIS stands for National Urban Information System.

- (c) Match the items given in Column A with those given in Column B : $4 \times 1 = 4$

<i>Column A</i>	<i>Column B</i>
(i) Cartosat	(1) Sea Surface Temperature
(ii) AVHRR	(2) COTS
(iii) Oceansat	(3) PFZ
(iv) ENVI	(4) DEM

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

- (a) Spatial Data and its Types
- (b) BIL Data Format
- (c) UTM Projection
- (d) Types of Maps
- (e) Web GIS
- (f) Advantages of Geoinformatics
- (g) Health Related Applications of Geoinformatics

3. Comment on the applications of geoinformatics technologies. Illustrate your answer with any four examples from natural and man-made disasters. 10

OR

Write an essay on the sources of raster data. 10

4. Discuss any five national agencies utilising geoinformatics technologies giving examples, wherever required. 10

OR

What is a contour ? How are different types of slopes and landforms represented by contours ? Support your answer with suitable diagrams. 10
