

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

Term-End Examination

June, 2015

00898

MGY-001 : INTRODUCTION TO GEOINFORMATICS

Time : 2 hours

Maximum Marks : 50

Note : All questions are compulsory. The marks for each question are indicated against it.

1. Answer **all** parts :

(a) Fill in the blank spaces with appropriate word(s) : 4×1=4

(i) 'GAGAN' is an abbreviation of _____.

(ii) The word 'MODIS' stands for _____.

(iii) 'LCC' is an abbreviation of _____.

(iv) The word 'RGNDWM' stands for _____.

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

(i) Cartosat data is an example of multispectral data. (True/False)

- (ii) NBSS & LUP stands for National Bureau of Sample Survey and Land Use Planning. (True/False)
- (iii) Cartography deals with designing, constructing and producing data. (True/False)
- (c) Match the items given in Column A with those in Column B : 3×1=3

Column A

Column B

- | | |
|--------------|---------------------|
| (i) BIL | (1) Geospatial tool |
| (ii) MapInfo | (2) Elevation |
| (iii) ETOPO | (3) Data format |

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

- (a) Remote Sensing — advantages and applications
- (b) On what basis are maps classified ? Explain your answer with suitable examples.
- (c) Applications of Geoinformatics technologies for monitoring and damage assessment of floods
- (d) Data considerations for urban and rural environment
- (e) Discuss any five sources of elevation data.
- (f) NNRMS

3. (a) Discuss in detail the recent trends and developments in the field of Geoinformatics. 10

OR

- (b) Write in detail on remote sensing data products. 10

4. (a) What is map projection ? Discuss in detail the classification of map projections, with suitable illustrations. 10

OR

- (b) Describe in detail the applications of Geoinformatics technologies for natural resources studies and management. 10
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