

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

Term-End Practical Examination

00358

June, 2017

MGYL-004(P) : GEOINFORMATICS PRACTICAL

Time : 3 Hours

Maximum Marks : 30

Note :

- (i) *All the questions are compulsory. Marks are indicated against each question.*
- (ii) *Evaluation would be done under 3 parameters (performance, result/output and viva-voce).*
- (iii) *The data to be used in the examination is provided in the computer by your Centre Co-ordinator.*
- (iv) *Keep all the soft copy results/outputs appropriately in your computer in a folder with your enrollment number.*
- (v) *Incomplete and illegible results/outputs will not be evaluated.*

1. Perform the tasks mentioned below and submit the results/outputs :

- (a) Using the given set of data (A) create contours with an interval of 20 m. Compose a map containing the DEM and the derived contours with appropriate labelling, colours and map elements. 2+3
- (b) Mosaic the individual bands of the given data set (B). Draw histogram of 'band 4' of the mosaicked image with appropriate labelling in your answer-sheet. 2+2
- (c) Prepare in your answer-sheet visual image interpretation keys of the five classes that can be mapped in the composite image. 5×1
- (d) Digitize at least two polygons from each of the classes identified and enter class attributes. Prepare a map showing the digitized polygons with appropriate legend. 3+3
- (e) From the given data set (C), select places in India having population more than 10 lakhs. Save the selected places as a separate vector layer. 3+2

2. Viva-voce

5