MGYL-004(P)

POST GRADUATE CERTIFICATE IN GEOINFORMATICS
(PGCGI)

Term-End Practical Examination

00361

December, 2016

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 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 (in pseudocolour) and the derived contours with appropriate labelling and map elements.   *2+3*

   (b)   Mosaic the individual bands of the given dataset (B).   *2*

   (c)   Draw histogram of 'band 4' of the mosaicked image with appropriate labelling in your answer-sheet.   *2*

   (d)   Create NDVI image from the mosaicked data and compose a map containing the colour composite and the derived NDVI image (in pseudocolour) with appropriate labelling and map elements.   *2+3*

   (e)   Prepare in your answer-sheet visual image interpretation keys of the 5 classes that can be mapped in the composite image.   *5×1=5*

   (f)   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*

2.   Viva-voce   *5*