POST GRADUATE CERTIFICATE IN GEOINFORMATICS
(PGCGI)

Term-End Practical Examination

00331

December, 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) Generate contours with an interval of 100 m and 200 m respectively from the given data (A) and prepare a map showing the two outputs.   *2+2*

    (b) Draw the histogram for 'band 1' and 'band 3' of the given data (B) in your answer-sheet.   *2+2*

    (c) Prepare visual interpretation keys for three land use land cover (LU LC) features from the standard FCC created from the data set (B).   *5*

    (d) Perform georeferencing for the given data (D) and write down the steps involved in georeferencing.   *2+2*

    (e) Digitize the railway line connecting Delhi and Tughlakabad railway stations as a line feature and two populated places Gurgaon and Bulandshahr as polygon features from the georeferenced toposheet using the data (D). Prepare a map of the digitized features with proper legend.   *2+2*

    (f) From the given data set (E), perform overlay analysis :   *2+2*

       (i) Dissolve operation using the field 'admn'

       (ii) Clip operation using the created layer for the country 'Australia'

2. Viva-voce   *5*