MGYL-104

POST GRADUATE DIPLOMA IN GEOINFORMATICS (PGDGI)

Geoinformatics Laboratory

Duration : 3 hours   Maximum Marks : 30

Note : 1.   All the questions are compulsory. Marks are indicated against each question.

2.   Evaluation would be done under three parameters (performance, result/output and viva-voce).

3.   The data to be used in the examination is provided in the computer by your Centre Co-ordinator.

4.   Keep all the soft copy results/outputs appropriately organised in your computer in a folder with your enrollment number.

5.   Incomplete and illegible outputs will not be evaluated.

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

(a)   Create contours with interval of 50 m and 100 m using the given set of data (A). compose a map showing the DEM in pseudocolour and the derived contours with appropriate labelling, colour and map elements.   2+3

(b)   Draw histogram of 'band 4' of the given dataset (B) with appropriate labelling and write its interpretation in your answer sheet.   2+2

(c) Mosaic the bands of the given dataset (B). Prepare in your-answer-sheet visual image interpretation keys of the five classes that can be mapped in the standard FCC created. 2+5

(d) Georeference the data given (D) and write down the steps performed. 2+2

(e) From the given dataset (C), Select places in India having population more than 06 lakhs. Save the selected places as a separate vector layer. 3+2

2. Viva-voce. 5

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