M. SC. (GEOINFORMATICS)
(MSCGI)
Term-End Practical Examination
June, 2025

MGYL-104(Set-II) : GEOINFORMATICS LABORATORY

Time : 3 Hours　　　　*Maximum Marks : 30*

Note : *(i)　All questions are compulsory. Marks allotted for each question are indicated against it.*

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

(iii)The data to be used in the examination is provided in the computer by your centre coordinator.

(iv) Keep all the soft copy results/outputs appropriately organized in your computer in a folder with your enrollment number.

(v) Incomplete and illegible outputs will not be evaluated.

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

   (a) Generate contours with an interval of 150 m and 250 m using the given set of data (A). Prepare a map showing the DEM (in pseudocolour) and contours with proper labelling and map elements.   2+3

   (b) Draw histogram of 'band 1' and 'band 3' of given set of data (B) with suitable labelling and write their interpretation in your answer-sheet.   2+2

(c) Generate mosaic of the bands given in set of data (B). Write in your answer-sheet the visual image interpretation keys of any *five* Land Use Land Cover (LULC) classes that can be mapped in the standard FCC created. 2+5

(d) Georeference the data given in the dataset (D) and write down the steps used for georeferencing in the answer-sheet. 2+2

(e) From the given dataset (C), select places in India having population more than 6 lakhs. Save the selected places as a separate vector layer. 3+2

2. Viva-voce. 5

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