No. of Printed Pages : 2

MGGL–005(Set-I)

M. SC. (GEOGRAPHY) (MSCGG)
Term-End Practical Examination
December, 2025

MGGL-005(Set-I) : REMOTE SENSING TECHNIQUES

Time : 3 Hours *Maximum Marks : 50*

Note : *Attempt any* ***five*** *questions. Each question carries equal marks.*

1. Explain the steps to download satellite data for any location by selecting the "Map Sheet". 10
2. Describe the process for importing data in QGIS. 10
3. Discuss geometic correction of an image. Perform 'image to image' registration for the selected data. 10
4. Explain the spectral profile. Produce spectral profiles of various feature types present in an image. 10

5. Explain the process of generating the Normalized Difference Vegetation Index (NDVI) of selected image and interpret the output image. 10

6. Describe the steps to perform 'Mosaic Operation' of raster images. 10

7. Perform and write steps for any *one* of the following : 10

   (a) Snow and Glacier Mapping

   (b) Landslides Mapping

   (c) Atmospheric Pollution Mapping

   (d) Coastal Regulation zones mapping

   (e) Water Pollution Mapping

   (f) Groundwater Potential Zones Mapping

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