2021

GEOGRAPHY — HONOURS — PRACTICAL

Paper : CC-12P

(Remote Sensing, GIS and GNSS)

Full Marks : 30

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words
as far as practicable.

Answer *all* questions.

1. (a) Discuss the spectral reflectance properties of natural vegetation of Landsat OLI data.

   (b) State the function of Georeferencer tool of the QGIS software.

   (c) Describe the process of supervised image classification to prepare an LULC map.   5+5+5

2. (a) Write the basic steps to generate a 100-metre buffer of an international boundary from a scanned map.

   (b) Plot the following waypoints using proper scale and measure the perimeter in kilometres.   5+5

Waypoint Id	WGS-84, UTM-44N coordinates	
	Easting (m)	**Northing (m)**
A	219342	1919824
B	220994	1914575
C	216411	1911351
D	216305	1917080
E	217451	1919424

3. Evaluation of Laboratory Notebook.   5