

2025

M.Sc. 1st Semester Examination
OCEAN GEOMATICS WITH AI

Paper : OGAC406X9

**(Conventional Surveying and
Remote Sensing & GIS)**

(Practical)

Full Marks : 50

Time : Four Hours

The figures in the margin indicate full marks.

Answer *all* the questions : 10×4=40

1. Describe the procedure of georeferencing a scanned map using GIS software. Explain the role of Ground Control Points and transformation methods in georeferencing.
6+4
2. Prepare a Standard False Colour Composite and interpret the physical and cultural features from the supplied satellite image. What are the techniques of visual image interpretation?
6+4
3. Create an attribute table from the digitized layer and prepare a population density map layout with proper annotation (given layer).
4+6

P.T.O.

4. Describe the role of Global Navigation Satellite Systems (GNSS) in spatial data acquisition. What are the common errors in digitization? Illustrate with neat sketches. 5+5
 5. Practical Notebook. 5
 6. Viva-voce. 5
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