RSGIS-23

Remote Sensing and GIS

MA/MSC Geo informatics (MA/MSCGIS)

3rd Semester Examination December 2023-24

Time: 2:00 Hours   Max. Marks: 100

Note : This paper is of Hundred (100) marks divided into two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

Section-A

(Long Answer Type Questions)

Note : Section 'A' contain Five (05) long-answer-type question of Twenty Six (26) marks each. Learners are required to answer any two (02) questions only.

[2x26=52]

P.T.O.

Q.1. How does the surface roughness characteristics of the terrain govern the interactions with microwave energy?

Q.2. How will you measure the area of an irregular tract of land using geometric shapes?

Q.3. Explain elements of maps in detail with suitable diagrams.

Q.4. What do you understand by Layers and Coverage in GIS?

Q.5. Describe the interpretation of hyper spectral data by spectral analysis.

Section-B

(Short Answer Type Questions)

Note : Section 'B' contain Eight (08) short-answer-type question of Twelve (12) marks each. Learners are required to answer any four (04) questions only.

[4x12=48]

Q.1. Write a short note on why we use Data manipulation tools.

Q.2. Define Connectivity?

Q.3. What is data and how is it different from information?

Q.4. Explain different data types used in GIS to store non-spatial data.

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Q.5.   What is Topology? Explain Topological Errors.

Q.6.   What is Synthetic Aperture radar.

Q.7.   Discuss ultra spectral remote sensing datasets.

Q.8.   Discuss development of hyperspectral sensors.

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