RSGIS-23

Remote Sensing and GIS

MA/MSC Geo Informatics (MA/MSCGIS)

3rd Semester, Examination 2024 (June)

Time: 2:00 hrs   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 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' contains Five (05) long-answer-type questions of Twenty Six (26) marks each. Learners are required to answer any Two (02) questions only.

[2x26=52]

P.T.O.

Q.1. What is the main difference between radar and optical remote sensing systems, like aerial photography or the SPOT satellite?

Q.2. Explain the surface and volume scattering phenomenon in vegetations.

Q.3. What is overshoot, undershoot and silvers in vector data? Explain with example.

Q.4. Explain role of topology is GIS data creation.

Q.5. Write a step that involved in Data manipulation.

Section-B (Short-Answer-Type Questions)

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

[4x12=48]

Q.1. What is cartography in GIS?

Q.2. What is the application of GIS in cartography and map making?

Q.3. What are the elements of Base map?

Q.4. What is the scanning process in GIS?

Q.5. What is the application of color theory?

Q.6. What is hyperspectral data in GIS?

Q.7. What is the difference between multispectral and hyperspectral?

Q.8. Discuss ultra spectral remote sensing datasets.

****