# A-0890

## MCS-E4

## Basic of Remote Sensing and GIS

(MCA)

3rd Semester Examination 2024(Dec.)

Time: 2:00 hrs                             Max. Marks: 70

Note : This paper is of Seventy (70) 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.

P.T.O.

## Section-A (Long-Answer-Type Questions)

Note : Section 'A' contains Five (05) long-answer-type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

[2x19=38]

Q.1. Explain the characteristics of different platforms.

Q.2. What are the different GIS components? Explain GIS software.

Q.3. Explain raster data model and its encoding systems.

Q.4. What is the difference between Data manipulation and Data Modification?

Q.5. Differentiate between airborne and space borne hyperspectral remote sensing and its advantages and disadvantages.

## Section-B (Short-Answer-Type Questions)

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

[4x8=32]

Q.1.    Why do we need of Remote Sensing?

Q.2.    What is Electromagnetic Energy?

Q.3.    What is Atmospheric Windows?

Q.4.    What is Reflection?

Q.5.    Write different types of Geographic Data?

Q.6.    Write Vector Data Format?

Q.7.    Write the major significance of Topology?

Q.8.    Write Raster data generalization?

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