P-893

Roll No. ....

GIS-503/DGIS-503

Fundamentals of GIS

(MAGIS/MSCGIS/DGIS/CGIS)

1st Semester Examination, 2023 (June)

Time : 2 Hours]   **Max. Marks : 70**

Note : This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answer 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 Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What are the applications of GIS in agriculture?

2. Explain the specific advantages and limitations of vector model.

3. What is the difference between the CONTAIN, COMPLETELY CONTAIN and ARE CONTAINED BY queries?

4. Explain Neighborhood Operations.

5. What do you understand by ERDAS Imagin software's? Elaborate its various functions.

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.   (4×8=32)

1. How is GIS map created?

2. Explain the vector data analysis tool in detail.

3. Define Polygon-on-polygon overlay.

4. Define overlay.

5. What are the components of GIS?

6. How does Desktop GIS work?

7. Write the short note on limitations of vector data?

8. What is ILWIS software?

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