A–633

Total Pages : 2   Roll No. ....

GIS–503/DGIS–503/CGIS–503

FUNDAMENTALS OF GIS

(MAGIS/MSCGIS/DGIS/CGIS)

1st Semester Examination, 2024 (June)

Time : 2:00 Hrs.   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 answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.***

Section–A

Long Answer Type Questions   2×19=38

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.

1. What are the major applications of GIS in natural resource management ?

2. Explain which data model is better for overlaying and analysis under GIS domain.

3. Explain data queries, concepts, and languages.

4. The growth of GIS has changed in the modern period of technological development. Elaborate this sentence in the context of recent GIS developments.

5. Do you think the remote sensing software's is fulling the needs of 21st century, elaborate.

Section–B

Short Answer Type Questions   4×8=32

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.

1. Why is GIS important in environmental management ?

2. GIS in education. Justify the statement in detail.

3. Define Buffering.

4. What are basic spatial analysis tools in GIS ?

5. What is Geographic Co-Ordinate System ?

6. Briefly explain GIS software.

7. What do you mean by data models ?

8. Write the application of Orfeo tool box.

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