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[Roll No.]

GIS-506/DGIS-506MGIS-506

MAGIS/MSCGIS/DGIS/CGIS

IIInd Semester Examination Dec., 2023

ADVANCE GIS

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 there in. 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.

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(1)

P.T.O.

1. What do you understand by Layers and Coverage in GIS ?
2. Write an essay on non-spatial database for geographical analysis.
3. Explain role of topology in GIS data creation.
4. Explain steps that involved in Data manipulation.
5. Compare the vector and raster based data analysis on the basis of different operations.

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. Write a short note on binary data.
2. What is Procedural DML and Declarative DML ?
3. What do you mean by focal operation with Raster Images ?
4. What is relational operator ?
5. Describe three new data sources for producing DEMs ?

6. What are the major types of Overlays ?
7. What is Neighborhood ? How is it identified ?
8. What does a Split operation accomplish ?
