

**P-896**

Total Pages : 3

Roll No. ....

## **GIS-506**

**Advance GIS**

(MAGIS/MSCGIS/DGIS)

2nd 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. Discuss in detail the arithmetic operations and decision rule based in raster data analysis.

2. What do you understand by raster data manipulation? Explain.
3. Discuss, in detail topology creation and data query.
4. Explain the union and intersection in Overlay analysis.
5. Discuss the optimal path & neighborhood in networking analysis.

### **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. What is map manipulation?
2. What do you understand by vector data formats?
3. What is multi-layer raster analysis?
4. What is buffering options in GIS?
5. Explain GIS data Models?

6. What is vector overlay analysis?
  7. What do you mean by metadata?
  8. What is database topology?
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