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GIS–601

MAGIS/MSCGIS IIIrd Semester Examination Dec., 2023

RECENT TRENDS IN GEO INFORMATICS–II

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.

1. What is Open Street Map ? What is the approach adopted in OSM for spatial data creation ?

2. Define server-side internet GIS ? Explain advantages and disadvantages of server-side strategies.

3. What is the process for identifying conjugate primitives in overlapping strips automatically ?

4. What are standard performance metrics or index for 'Crowdsourcing data' systems ?

5. What are categories of 'big data' applications in examining urban landscape ?

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. Could you give a brief description of your national LIDAR datasets ?

2. What is the difference between LIDAR and RADAR ?

3. Why is geometric correction important ?

4. What are the different components of Web GIS ?

5. Define sensor model language.

6. How the GIS technology helping the human kind ?

7. What are the important components of ISRO Bhuvan Geo-portal ?

8. Write a short note on LIDAR, RADAR, Web GIS & Geometric corrections.

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