

DGIS-503/CGIS-503

Fundamentals of GIS

(MAGIS/MSCGIS/DGIS/CGIS-21)

Ist Year /Ist Semester Examination, 2021 (Winter)

Time : 2 Hours]

Max. Marks : 100

Note : This paper is of Hundred (100) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

SECTION–A

(Long Answer Type Questions)

Note : Section 'A' contains Five (05) long answer type questions of Twenty six (26) marks each. Learners are required to answer any Two (02) questions only.

(2×26=52)

1. Explain the importance of GIS in the field of Efficiency based cost saving, prompt and the best decision making and improved communication.

2. What are the different GIS components? Explain GIS software.
3. What is data model in GIS and what is its role?
4. Define Database Management and its role in data output and visualization.
5. Differentiate between free and open source software with suitable examples.

SECTION-B

(Short Answer Type Questions)

Note : Section 'B' contains Eight (08) short answer type questions of Twelve (12) marks each. Learners are required to answer any Four (04) questions only.

(4×12=48)

1. Describe Vector Logical Overlay.
2. What is Software freedom?
3. Define Topology and elaborate its role in vector data modelling.
4. Explain the buffer in any feature class (Point, Line, and Polygon).

5. What are the key differences between a website and a portal?
 6. What is crowd sourcing?
 7. What is Metadata?
 8. What do you need to know about the data?
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