

B.M.S. College of Engineering, Bengaluru-560019

Autonomous Institute Affiliated to VTU

September / October 2023 Supplementary Examinations

Programme: B.E.

Semester: VII

Branch: Institutional Elective

Duration: 3 hrs.

Course Code: 21CV7OERSG

Max Marks: 100

Course: Remote Sensing and Geographic Information System

Instructions: 1. Answer any FIVE full questions, choosing one full question from each unit.
2. Missing data if any, may be suitably assumed.

UNIT - I

| | | |
|---|---|----|
| 1 | a) Explain the silent features of the geodatabase. | 05 |
| | b) Explain topology and its benefits in the geodatabase. | 05 |
| | c) Explain the structural elements of geodatabase with a schematic diagram. | 10 |

UNIT - II

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|---|--|----|
| 2 | a) Explain the basics of MC Decision problems. | 10 |
| | b) Differentiate between MODM and MADM. | 10 |

UNIT - III

UNIT - IV

4 a) Explain the mechanism of GIS integration with decision making in Expert GIS. 10
b) Elaborate on advanced database technology. 10

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5 a) Elaborate on Mobile GIS and its capabilities. **10**

b) Explain the application of the location based services with GIS integration in helping business productivity. **10**

UNIT - V

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| 6 | a) Explain Enterprise GIS highlighting the capabilities and objectives. | 10 |
| | b) Elaborate on the new spatial data models. | 10 |

OR

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| 7 | a) Elaborate on enterprise GIS management. | 10 |
| | b) Discuss case studies on use of GIS in Disaster Management in flooded areas. | 10 |

SUPPLEMENTARY EXAMS 2023