

A-0651

Total Pages : 3

Roll No.

DGIS-509

**Application of Geoinformatics
(MAGIS/MSCGIS/DGIS/DGIS)**

Examination 2026 (Feb.)

Time: 02:00 hrs

Max. Marks: 70

Note : This paper is of seventy (70) marks divided in to two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. *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)

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.

(2x19=38)

P.T.O

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1. What do you mean by mapping of terrain? What are the uses of terrain maps?
2. What do you understand by the geomorphic processes? Elaborately explain the various forces affecting the earth crust and list out the associated landforms?
3. Elaborately explain the application of Global Positioning System (GPS) in various environmental problems?
4. Explain surveying and mapping? Differentiate between traditional and modern surveying?
5. Discuss the role and signification of GPS in roads and highways?

Section-“B”

(Short -answer - type questions)

Note:- Section ‘B’ contains eight (08) short-answer type questions of eight (8) marks each. Learners are required to answer any Four (04) questions only.

(4x8=32)

1. Give Brief account on the geomorphological indices and land surface parameters?

2. What do you mean by Digital Elevation Model (DEM)? Briefly explain the uses of DEM?
3. Explain the methods to interpreted ground water potential zones?
4. What is precision agriculture? How Global Positioning System (GPS) is useful in field mapping?
5. Discuss how GPS is useful in cyclone monitoring and management?
6. Explain the importance of GPS in surveying and mapping?
7. Write note on automatic toll collection and automatic vehicle monitoring?
8. Discuss the ancient tools and techniques of navigation?
