

MGIS-04/PGDGIS-04

DIP and Mapping

Master of Geographical Information System/Post
Graduate Diploma in Geographical Information
System (MGIS/PGDGIS-11/16/17)

First Year, Examination, 2018

Time : 3 Hours

Max. Marks : 80

Note : This paper is of **eighty (80)** marks containing **three (03)** Sections A, B and C. Attempt the questions contained in these Sections according to the detailed instructions given therein.

Section-A

(Long Answer Type Questions)

Note : Section 'A' contains four (04) long answer type questions of nineteen (19) marks each. Learners are required to answer *two* (02) questions only.

1. Give a detailed account of image processing techniques.
2. Explain the characteristics and functionality of data base system.

3. “Any digital representation of the continuous variation of relief over space is known as a digital elevation model (DEM).” Explain.
4. Write an essay on trends of computer cartography.

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 *four* (04) questions only.

1. What do you understand by filtering of random noise ? Explain.
2. What is supervised image classification ? Discuss.
3. What are the space segment of GPS ? Explain.
4. What do you understand by identity of digitizing errors ? Discuss.
5. Write a short note on needs of digital elevation model.
6. What is TIN structure ? Explain.
7. Write a note on balancing elements of map.
8. What is cartographic map model ? Explain.

Section–C

(Objective Type Questions)

Note : Section ‘C’ contains ten (10) objective type questions of one (01) mark each. All the questions of this section are compulsory.

1. What is meta data ?
2. What are the components of DBMS ?

3. What is DTM ?
4. What is TIN ?
5. What is non-spatial data table ?
6. What is data varification ?
7. What is data manipulation ?
8. What is cartographic information analysis ?
9. Importance of symbology in map making process.
10. What are image interpretation keys ?

