MGIS–04/PGDGIS–04

DIP & Mapping

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

First Year, Examination, 2017

Time : 3 Hours **Max. Marks : 80**

Note : This paper is of **eighty (80)** marks containing **three (03)** Sections A, B and C. Learners are required to 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. What do you understand by data loading and image restoration ? Explain.

2. Discuss the different formats of non-spatial data.

3. What is DEM ? Explain.

4. Write a note on mapping proportions and scales.

Section–B

(Short Answer Type Questions)

Note : Section 'B' contains eight (08) short answer type questions of eight (08) marks each. Learners are required to answer *four* (04) questions only.

1. Discuss the Univariate Image Statistics.

2. What is supervised classification ? Explain.

3. Write a short note on radiometric correction of remote sensor data.

4. Explain the different methods of data formatting.

5. What are the various structures of DEM ? Explain.

6. What is TIN stricture ? Explain.

7. Explain the principle of computer cartography.

8. Write a note on map design.

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. Preprocessing of satellite digital data is achieved by which method ?

2. Bad Interleaved by Line (BIL) is used for which purpose ?

3. Saturation stretch is used for what purpose ?

4. What is signal-to-noise ratio ?

5. The space segment of the GPS consists of a constellation of low many satellites ?

6. NAVSTAR is a what type of satellite system ?

7. Name any *three* elements of digital cartography.

8. What is grid network in DEM ?

9. What are the methods of overlay ?

10. What are the methods of Raster data query ?

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