

1. Define GIS (Geographical Information System) and explain its concepts in detail.
2. Explain in detail the components of GIS.
3. What are the methods of data input in GIS? Explain the scanning process and digitization.
4. What are the different types of Projection Systems used in GIS Maps? Explain any one of them.
5. Explain the choice of map projections for different purposes.

Section - B
(Short-Answer-Type Questions)

Note - Section 'B' contains Eight (08) short-answer-type questions of Seven (07) marks each. Learners are required to answer any Five (05) questions only.

(5 × 7 = 35)

1. Define database. Indicate the Names of different types of database.
2. What is Internet GIS ? How it is different than Desktop GIS ?
3. Define map and map scale. Name different types of maps.
4. What do you understand by contour lines drawn on topographical map ?

5. How would you calculate the slope from contours ?
6. Explain the term buffering. Why it is needed?
7. Explain Spatial Data.
8. Explain Orthogonal projection.

**MGIS-02/PGDGIS-02/
CGIS - 02**

**Geographical Information System
Master of Geographical Information System/
Post Graduate Diploma in Geographical
Information System / Certificate in Geo-
graphical Information System
(MGIS/PGDGIS/CGIS-11-16-17)
First Year/First Semester
Examination - 2019**

Time : 3 Hours

Max. Marks : 80

Note - This Paper is of Eighty (80) 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 Fifteen (15) marks each. Learners are required to answer any Three (03) questions only.

(3 × 15 = 45)