

Total No. of Printed Pages : 3

Roll No.....

MGIS-02/PGDGIS-02/CGIS-02
GEOGRAPHICAL INFORMATION SYSTEM

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

First Year, Examination-2020

Time Allowed : 2 Hours

Maximum Marks : 80

Note : This paper is of Eighty (80) marks divided into Two (02) sections A and B. Attempt the question 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 Twenty (20) marks each. Learners are required to answer any two (02) questions only. (2×20=40)

1. What is GIS? Explain the objectives of GIS.
2. Explain in detail the need, scope and importance of GIS.
3. Describe vector GIS and explain its advantages and disadvantages.
4. What are the important features shown on topographical maps? Explain any one of them.
5. Explain the concepts of Geoids'. Datum and Spheroid.

Section-B

(Short answer type questions)

Note: Section-B Contains Eight (08) short answer type questions of Ten (10) marks each. Learners are required to answer any four (04) questions only. (4×10=40)

1. Why we need GIS? What are the Hardware components of GIS?
2. List out the main GIS applications in the field of forestry and agriculture.

3. What do you understand by Latitude and Longitude?
4. How would you present slope categories on topographical map?
5. Define map scale. Highlight the characteristics of small scale and large scale maps.
6. Explain map projections.
7. Explain the importance of non-spatial data under GIS domain.
8. What do you understand by the terms -'Union' and 'Intersect' under GIS analysis tools?
