C1069

Total Pages : 3   Roll No. ....

GIS-504/DGIS-504/CGIS-504

Cartography

(MAGIS/MSCGIS/DGIS/CGIS-21)

1st Semester Examination, 2022 (June)

Time : 2 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 Twenty (20) marks each. Learners are required to answer any Two (02) questions only.

(2×20=40)

1. Explain meaning, importance and utility of maps. Present the elaborate classifications of maps.

2. What are the different methods of expressing Scale? Discuss various types of graphical scale with suitable examples.

3. Define map projection? Bring out the detailed classification of map projection.

4. What is base map? Explain the process and benefits of digitization.

5. Explain elements of map. Distinguish between thematic map and general-purpose map. Explain the concepts of choropleth, dasymetric and isopleth maps.

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. Present a historical account of maps.

2. What is cadastral map? How topographical maps vary from cadastral maps?

3. What do you mean by conversion of scale? Illustrate with examples. Explain the factors on which the scale depends.

4. Discuss the five essential characteristic properties of map projection.

5. What is the recommended projection ? Discuss the common GIS projections.

6. Discuss various types of digitization. What are the general issues or limitations faced in digitization?

7. Discuss different tools and techniques of area estimation on the map.

8. Explain the various methods of data classification for mapping.

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