

S-793

Total Pages : 4

Roll No. -----

GIS-503/DGIS-503

Fundamental of GIS

(MAGIS/MSCGIS/DGIS/CGIS)

1st Semester, Examination 2022(Dec.)

Time: 2 Hours

Max. Marks: 70

Note : This paper is of Seventy (70) 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 Nineteen (19) marks each. Learners are required to answer any two (02) questions only.

[2 x 19 = 38]

P.T.O.

- Q.1. What is the meaning of a Geographical Information System? Write a brief note on history of GIS development?
- Q.2. Raster data structure is more suitable for analytical operations. Explain with its advantages and disadvantages.
- Q.3. What is attribute data in GIS? List and explain different types of the attribute table.
- Q.4. Why open source software has become so important today? List out some open source GIS tools.
- Q.5. What is remote sensing? Explain the advantages and limitations of remote sensing.

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 any Four (04) questions only.

[4 x 8 = 32]

- Q.1. Explain the basic principle of remote sensing.
- Q.2. Define GIS. Describe the key components of GIS.
- Q.3. What is the difference between GIS command and GIS tool?
- Q.4. What open source GIS software is available?

P.T.O.

- Q.5. Difference between open source and commercial GIS software?
- Q.6. What is resolution of a sensor? Describe all sensor resolutions.
- Q.7. Explain the concept and components of GIS portal. What are the various resources of GIS portal?
- Q.8. Explain the suitable example of spatial data query.
