

S-798

Total Pages : 3

Roll No. -----

GIS-508/DGIS-508

Application of Geo Informatics Part-I (M.Sc. Students)

(MSCGIS/DGIS/CGIS)

2nd 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. Define pedogenic process or soil-forming process.
What are the various soil-forming processes?
- Q.2. What are the three broad categories into which the U.S.Department of Agriculture System of soil classification (U.S.D.A) has classified the world soils?
- Q.3. How can GIS help in public safety & disaster relief?
- Q.4. Explain the different types of drainage systems?
- Q.5. How GPS can play important role in Intelligent Transport System?

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. What are the different types of soil surveys?
- Q.2. Which statistical method can be utilized to analyze the reflectance of soil?
- Q.3. What are the various factors responsible for soil erosion?
- Q.4. How the GPS is useful in flood management?
- Q.5. What is a DEM? How they are useful in geomorphological studies?
- Q.6. What are the spectral characteristics of soils.
- Q.7. Write a short note on public safety and disaster relief?
- Q.8. What are the different types of road?
