

**S-799**

**Total Pages : 4**

**Roll No. -----**

**GIS-509**

**Application of Geo Informatics Part-II**

**(for M.A. Student)**

**(MAGIS/DGIS/CGIS)**

**2<sup>nd</sup> 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. Explain how remote sensing and GIS can be helpful in hydro-geomorphology and measuring ground water potential zones.
- Q.2. Discuss how GPS has changes the era of navigation in a positive way.
- Q.3. Discuss how Remote Sensing and GIS are helpful in Terrain analysis and land-use studies.
- Q.4. Explain the advancement made by GPS in the field of agriculture.
- Q.5. Discuss the forces which affects the Earth's crust.

### **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. List out the types of drainage system in detail with neat diagram.
- Q.2. Briefly explain how interpretation is done for erosional and depositional landforms.
- Q.3. Discuss the application of GPS in automatic toll collection.
- Q.4. Explain the purposes and process of terrain evaluation.
- Q.5. Discuss the role of GPS in Flood management.
- Q.6. Briefly discuss the application of Geoinformation in the field of geo-geomorphology.
- Q.7. Discuss the applications of GPS in rail navigation.

P.T.O.

Q.8. Write short note on any two of the following;

- a. Digital Elevation Model
- b. Electromagnetic Spectrum
- c. Electromagnetic Radiation
- d. Watershed.

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