

Ph.D Course Work Examination, July-2023

APPLIED GEOLOGY

Course-IV: Development in Geospatial Technology

Time: 3 Hours

Max. Marks: 70

I) Answer ALL of the following

(10X2=20)

- a) Sensor
- b) Satellite
- c) Name any TWO Remote Sensing Satellites.
- d) Components of GIS
- e) Geographical co-ordinate system
- f) Thematic map
- g) Non-spatial data. Give example.
- h) Geospatial
- i) Active remote sensing system
- j) Visible spectrum

II) Answer any FOUR of the following

(4X5=20)

- 1) Explain the stages of remote sensing system.
- 2) Write a note on geostationary orbit satellites.
- 3) What are the various characteristic of map?
- 4) Explain the airborne platforms with examples?
- 5) What are the advantages and disadvantages of remotely sensed data?

III) Answer any THREE of the following

(3X10=30)

- 6) Give a detail account on raster and vector data models? With neat sketch
- 7) Discuss the RS and GIS applications in watershed management system.
- 8) Describe the role of Indian satellites in geospatial technology
- 9) Discuss the RS and GIS role in Earth science applications
