

Total number of printed pages-2

14 (GGY-3) 3123

2021

(Held in 2022)

GEOGRAPHY

Paper : GGY-3123

(Fundamentals of Remote Sensing and GIS)

Full Marks : 40

Time : Two hours

***The figures in the margin indicate
full marks for the questions.***

1. Discuss the principles of remote sensing and distinguish between aerial photography and satellite remote sensing. 6+4=10

Or

Discuss the prospects and problems associated with application of remote sensing in geography as a data acquisition tool.

5+5=10

2. Give an outline of remote sensing data products and their characteristics with examples. $5+5=10$

Or

Discuss the techniques involved in visual and digital methods of interpretation of satellite imagery. $5+5=10$

3. Discuss the speciality of raster and vector data structure with proper examples and illustrations. $5+5=10$

Or

Discuss the GPS technology and its working principle. What is the status of India towards the development of this technology?

$7+3=10$

4. Write short notes on the following :
(any two) $5 \times 2 = 10$

(a) Types of GPS signals and data accuracy

(b) Open source GIS software

(c) Spatial analysis in GIS.

$01=3+2$