

Total number of printed pages-3

14 (SEM-3) GGY 3123

2024

GEOGRAPHY

Paper : GGY-3123

(Fundamentals of RS, GIS and GPS)

Full Marks : 40

Time : Two hours

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

1. Discuss the basic concepts and principles of Remote sensing process. Illustrate the role of EMR in the process and data outputs.

5+5=10

Or

Discuss the types of remote sensing and state the difference between air-born and space-based remote sensing data products.

5+5=10

Contd.:-

2. Briefly discuss the contemporary role of remote sensing techniques in different filed of geographic study. Discuss the strength and weakness of its data outputs and we in study. 5+5=10

Or

Define geographic data. In this context discuss the process involved in visual and digital remote sensing data processing techniques. 2+4+4=10

3. Discuss the principles and components of GIS along with the data structures its handles and analyses. 5+5=10

Or

In case of forestry and urban landscape study which are the aspects you are going to consider in the selection of remote sensing data. Also discuss the possibilities involved in such studies with the help of remote sensing data. 5+5=10

4. Write short note on : **(any two)** 5×2=10

(a) Spatial analysis techniques

(b) GPS technology and its application in geography

(c) Concept and principles of DGPS

(d) Indian own regional GPS system
