

D 30534

(Pages : 2)

Name.....

Reg. No.....

**FIFTH SEMESTER (CBCSS-UG) DEGREE EXAMINATION
NOVEMBER 2022**

Geography

GRY 5B 07—INTRODUCTION TO GEO-INFORMATICS

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A

*Answer all the **ten** questions, in about 50 words each.*

1. List the components of GIS.
2. What is GLONASS ?
3. What is Topology ?
4. What is thermal remote sensing ?
5. What is raster data ?
6. What are High oblique aerial photos ?
7. What does it mean when the radiometric resolution of imagery is 8 bit ?
8. What are ODC and OSM ?
9. Define spectral signature.
10. What are sliver polygons ?

(10 × 2 = 20 marks)

Section B

*Answer any **six** questions, in about 150 words each.*

11. Write briefly on the sensors used in Resources at 3.
12. Discuss the significance of atmospheric windows in remote sensing with proper illustrations.
13. What is remote sensing ? List the types of remote sensing based on wavelength regions.
14. Write briefly on the characteristic features of Bhuvan.

Turn over

15. Differentiate between along track and across track scanning.
16. Discuss the common topological errors.
17. Differentiate between raster and vector data.
18. What is run length encoding ? Explain.

(6 × 5 = 30 marks)

Section C

*Answer any **one** question in about 300 words.*

19. With proper illustrations explain the electromagnetic spectrum.
20. Write an essay on the various raster data compression techniques in GIS.

(1 × 10 = 10 marks)