



‘সমানো মন্ত্র: সমিতি: সমানী’

UNIVERSITY OF NORTH BENGAL
B.A./B.Sc. Honours 5th Semester Examination, 2023

CC12-GEOGRAPHY (502)

REMOTE SENSING AND GIS

MODIFIED SYLLABUS

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

SECTION-I

1. Answer any *five* questions from the following:

1×5 = 5

- (a) Flying height
- (b) Scattering
- (c) Orthophoto
- (d) Atmospheric window
- (e) GPS
- (f) Spatial data
- (g) Swath
- (h) GOES.

SECTION-II

Answer any *three* questions from the following

5×3 = 15

- 2. Discuss the different types of remote sensing platforms. 5
- 3. Write a short note on the principles of remote sensing. 5
- 4. Write a note on various components of GIS. 5
- 5. Differentiate between spatial and non-spatial data. 5
- 6. Differentiate between Rayleigh Scattering and Mie Scattering. 5

SECTION-III

Answer any *two* questions from the following

10×2 = 20

- 7. Give a detailed account on development of remote sensing. 10
- 8. Explain the various properties of EMR with suitable diagrams. 10
- 9. Discuss in detail about the geometry of aerial photograph with suitable diagrams. 10
- 10. Write down the application of remote sensing and GIS on forest monitoring. 10