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GYH 453

II Semester M.Sc. Degree Examination, September/October 2022

GEOGRAPHY

**Basics of Remote Sensing
(Hard Core) (4 Credits)**

Time : 3 Hours

Max. Marks : 70

Instruction : Answer **any four** questions choosing **one** from **each** of the Part – I to IV, **two** questions in Part – V.

PART – I

1. Define the electromagnetic radiation and its importance. **15**

OR

2. Explain the interaction of remote sensing with atmosphere and surface features.

PART – II

3. Explain the classification of aerial photographs on the basis of height and tilt. **15**

OR

4. Define the elements of Aerial photo interpretation.

PART – III

5. Discuss the active and passive sensors in remote sensing. **15**

OR

6. Examine the thermal remote sensing in geography.

PART – IV

7. Role of remote sensing disaster mitigation and management. **15**

OR

8. Examine the impact of humans on the marine environment.

PART – V

9. Answer **any two** questions of the following. **(5×2=10)**

- a) Analog data.
 - b) Components of the camera.
 - c) Orbit positioning issues.
 - d) Thermal remote sensing.
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