

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B.PLAN - SEMESTER–VIII EXAMINATION – SUMMER 2019

Subject Code:1085501

Date:09/05/2019

Subject Name: Advanced Remote Sensing

Time:10:30 AM TO 12:30 PM

Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

1. What are the remote sensing resolution? Explain any two. (10 Marks)

OR

Explain in brief: Thermal region and sensors.

2. What are the operating principles of Lidar? Explain in brief application of Lidar. (10 Marks)

OR

What is digital image processing? What are the types of Digital image processing? Explain any one in brief.

3. What are the types of Microwave remote sensors? What are the applications of Microwave remote sensing? (10 Marks)

OR

What are the types of image classification? Explain any one.

4. Explain in brief any two. (10 Marks)

- a. Platforms
- b. Altimeter
- c. Hyperspectral remote sensing
- d. Interaction of light
- e. Sun synchronous satellites
