

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEM-III Examination-Dec.-2011

Subject code: 131303**Date: 13/12/2011****Subject Name: Ecology and Remote Sensing****Time: 2.30 pm -5.00 pm****Total marks: 70****Instructions:**

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

- Q.1** (a) Write and Explain Shelford's law and Liebig's law. **07**
(b) Enlist positive Interaction and explain any one in detail. **07**

- Q.2** (a) Write difference between Positive Interaction and Negative Interaction. **07**
(five points)
(b) How can you say that Predation and Parasitism are not same? **07**

OR

- (b) Note on Malthusian Theory of Population. **07**

- Q.3** (a) Enlist methods of population Estimation and explain any one in detail. **07**
(b) Draw Climograph and explain it in detail. **07**

OR

- Q.3** (a) Write note on Territorialism. **07**
(b) Write note on Dominance Hierarchy. **07**

- Q.4** (a) What is Competition? Justify your definition with proper example. **07**
(b) How Indicator Organism can help Ecology or Environment? **07**

OR

- Q.4** (a) What is Remote Sensing? How Remote Sensing useful in Environmental **07**
Engineering Field?
(b) Define Scale of Photograph and explain it. **07**

- Q.5** (a) Write note on Image Interpretation Keys. **07**
(b) Enlist type of Photograph and explain any one in detail. **07**

OR

- Q.5** (a) Explain Importance of Signature in Remote Sensing. **07**
(b) Write note on Indian Remote Sensing Satellite. **07**
