**BTITO10**

**Sixth Semester B. Tech IT Engineering**

**Examination Aug/Sep-2015**

**Operation Research**

**Time:-3Hours Max. Marks: - 75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. What are the characteristics of a Competitive Game?
2. Clarify the Matrix minimum method.
3. What is Queuing System? Mention its Components.
4. Mention the basic assumptions of LPP.
5. Define the measures of System efficiency.
6. Write in nutshell about N-person game.
7. What do you mean by Canonical forms of linear Programming? Mention its characteristics.

**SECTION-B**

**Answer any two questions. (10\*2)**

1. Discuss the features of Operation Research.
2. Classify the types of OR Models.
3. Write a detail note on Critical path and its calculations.

**SECTION-C**

**Answer any two questions. (15\*2)**

1. Explain the Two-Phase Simple Method with an example.
2. Trace out the various phases of Operation Research.
3. Describe the Branch and Bound Technique with algorithm.