

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

**B.Tech.(IT) (2011 Onwards E-II) (Sem.-7,8)**  
**OBJECT ORIENTED ANALYSIS AND DESIGN**  
Subject Code : BTCS-906  
Paper ID : [A3052]

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTION TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students has to attempt any TWO questions.

**SECTION-A**

**Q1 Answer briefly :**

- a) What is cluster testing?
- b) What is meta model?
- c) What is abstraction?
- d) What is collaboration?
- e) Define object diagram.
- f) Define requirements validation.
- g) What are package diagrams?
- h) What are the components of state diagrams?
- i) What is usability testing?
- j) Define abstract class and method.

### SECTION-B

- Q2 What is the difference between object oriented analysis and object oriented design?
- Q3 Differentiate between aggregation and association.
- Q4 How use case modeling helps in inception phase of any software project? Justify with example.
- Q5 How is sequence diagram different from activity diagram?
- Q6 What is a transition? Discuss its parts.

### SECTION-C

- Q7 a) Explain system level testing.
- b) Elaborate aspect oriented software.
- Q8 Explain Unified Process in detail. What are its steps?
- Q9 Write about object oriented metrics.