Code: IT6T3

III B.Tech-II Semester–Regular/Supplementary Examinations–March 2018

OBJECT ORIENTED ANALYSIS AND DESIGN
(INFORMATION TECHNOLOGY)

Duration: 3 hours   Max. Marks: 70

PART – A

Answer *all* the questions.   All questions carry equal marks

$11 \times 2 = 22$ M

1. a) Mention the four major phases of Unified Process.

   b) What is Usecase Diagram?

   c) Mention the Strength and Weakness of the Object
      Diagrams.

   d) What are attributes in Classes?

   e) What is Class Diagram? When to use Class Diagrams?

   f) Write briefly about Usecase diagram.

   g) Write the Strength and Weakness of Advanced Behavioral
      Modeling.

   h) Define Event, State.

   i) What is Activity Diagram? Mention the Elements of an
      Activity Diagram?

   j) Where to use Deployment Diagram.

   k) What is architectural Modeling?

PART – B

Answer any *THREE* questions. All questions carry equal marks.

$$3 \times 16 = 48 \text{ M}$$

2. a) Why do we need to model a problem?   8 M

   b) What is SDLC? Explain in detail.   8 M

3. a) What are class diagrams and how are class diagrams used with example of ATM Machine?   8 M

   b) Discuss Advanced Relationships & Interfaces.   8 M

4. a) Write short notes on Usecase Modeling.   8 M

   b) Differentiate Interaction & Activity diagrams in brief.

                                                          8 M

5. a) What are state chart diagrams? Explain with an example how to use state diagrams.   8 M

   b) Define the following : Events, Signals, Processes and State machines with respect to state diagram.   8 M

6. a) Differentiate between deployment and component
diagram.   8 M

   b) Implement any application using UML.   8 M