Code: IT6T3

III B.Tech - II Semester – Regular/Supplementary Examinations AUGUST 2021

OBJECT ORIENTED ANALYSIS AND DESIGN
(INFORMATION TECHNOLOGY)

Duration: 3 hours   Max. Marks: 70

PART – A

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

11x 2 = 22 M

1.

a) What do you mean by Object Oriented analysis and design?

b) List any 4 static diagrams of UML.

c) Define Object Diagram and represent its notation.

d) Define interface and package and represent UML symbols.

e) Distinguish <<include>> and <<extend>>stereotypes.

f) Define Swimlanes.

g) Define Activity and represent UML symbol.

h) Define Timing mark and timing expression.

i) What is the common usage of Deployment?

j) Write the textual Analysis for Web based Auction system.

k) What is a Role?

PART – B

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

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

2. a) Explain Software development Life Cycle (SDLC).

8 M

b) Summarize various Views of UML.   8 M

3. a) Identify the Stereotypes applicable to dependency
relationship among Packages and Use Cases.   8 M

b) Explain the common modelling techniques of Object
Diagram in the UML.   8 M

4. a) Explain Fork and Join operations in Activity Diagram.

8 M

b) Draw Use case diagram for Hotel management system.

8 M

5. Demonstrate State Machine diagram with example of any
case study.   16 M

6. a) What are the differences between Components and
Classes?   6 M

b) Exemplify deployment diagram in detail.   10 M