PVP 14

Code: IT6T3

III B.Tech-II Semester–Regular/Supplementary Examinations–March 2019

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) List the five modelling principles.
b) Define dependency and generalisation.
c) Explain a node.
d) Describe visibility and its attributes.
e) Sequence diagram explains the flow of the data through use cases. Justify your answer?
f) How the use case diagram will be helpful?
g) What are the various type of events?
h) What is a state machine?
i) Demonstrate a deployment diagram?
j) Explain time and change events.
k) Discuss the different stereo types of the links.

PART – B

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

3 x 16 = 48 M

2. Explain the things in reference to the building blocks of UML. 16 M

3. a) Give the details of the advanced relationships with examples. 8 M

   b) Illustrate an object diagram with an example. 8 M

4. a) Discuss the common modelling techniques for an activity diagram. 8 M

   b) Explain the following 8 M

   i) use case ii) actor

   iii) forward engineering iv) reverse engineering.

5. a) What is need of state chart diagram explain with an example. 8 M

   b) Define an event and explain different kinds of events with examples. 8 M

6. Implement the Library system using all the UML diagrams 16 M