PVP 14

Code: IT6T3

III B.Tech - II Semester – Regular Examinations – May 2017

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 are the Object Modeling Techniques?
b) Can you make a distinction between sequence and collaboration diagrams?
c) What is an attribute?
d) What are the elements of class diagram?
e) What are advanced relationships?
f) What is the role of Swim lanes & Guard condition in Activity diagram?
g) What are the standard elements of threads?
h) How can you make distinction between test strategy and test plan?
i) Define generalization and specialization.
j) What are the goals of UML?
k) How would you compare OOAD & SSAD?

PART – B

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

3 x 16 = 48 M

2. a) Can you give the steps to model architectural views? 5 M

   b) Give an example of UML diagram which depicts all the four relationships? 8 M

   c) Can you compare is-a relationship with has-a relationship. 3 M

3. a) Design an object diagram for company information system. 8 M

   b) What judgment can you make for the significance of class diagram in object oriented modeling with illustrations? 8 M

4. a) Define use case. List out the uses of use case. 4 M

   b) What inference can you make from ‘validate user’ use case in modeling ATM system. 6 M

   c) Can you construct activity diagram for unified library system. 6 M

5. a) Design a state chart diagram for credit card validating System. 10 M

b) Define Event. What are the kinds of events? Give examples each. 6 M

6. a) Discuss how to model client/server system? 6 M

b) Consider a modeling problem statement. Can you construct a use case diagram for that problem? 10 M