Code: 13A05602

R13

B.Tech III Year I Semester (R13) Regular Examinations December 2015

OBJECT ORIENTED ANALYSIS DESIGN & MODELING

(Information Technology)

Time: 3 hours

Max. Marks: 70

PART – A
(Compulsory Question)
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1   Answer the following: (10 X 02 = 20 Marks)
   (a)   Describe the characteristic of objects.
   (b)   Explain the evolution of object model.
   (c)   What are the different class associations?
   (d)   What is the main impact of object oriented approach?
   (e)   What does Unified mean?
   (f)   List the scope of UML.
   (g)   List the types of relationships.
   (h)   Define multiplicity.
   (i)   List the components of Deployment diagram.
   (j)   What are the different standard stereotypes that apply to active classes?

PART – B
(Answer all five units, 5 X 10 = 50 Marks)

UNIT – I

2   Explain the structure of complex systems.

OR

3   Explain the benefits of object model.

UNIT – II

4   Describe key abstraction.

OR

5   What do you understand by classes and objects?

UNIT – III

6   Describe Semantics document.

OR

7   Describe the various notations of UML.

UNIT – IV

8   What is branching? Describe forking and joining in activity diagrams.

OR

9   Draw the class diagram for purchase management system.

UNIT – V

10   Draw collaboration diagram for airline reservation system.

OR

11   Draw use case diagram for online Human Resource (HR) system. Explain with its use case relationships.

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