B.Tech III Year I Semester (R13) Supplementary Examinations June 2017

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) What are the attributes of a complex system?
(b) When a language is called object oriented?
(c) What are the roles of classes and objects in analysis of UML?
(d) Why classification needs in UML design?
(e) What are the principles of modeling?
(f) Define the semantic rules of UML.
(g) How component and interfaces connected with each other?
(h) Differentiate between procedural sequence and flat sequence.
(i) Define forking and joining in activity diagram.
(j) Represent simple and qualified names in nodes with examples.

PART - B

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

UNIT - I

2 Explain elements of the object model with examples.

OR

3 (a) How complex systems designed? Discuss.
(b) Describe the role of decomposition with example.

UNIT - II

4 Describe different relationship among classes with example.

OR

5 (a) What are the classical and modern approaches for identifying classes and objects? Explain.
(b) Define incremental and iterative nature of classification.

UNIT - III

6 Explain in detail about building blocks in UML.

OR

7 (a) Discuss organizing of use cases with examples.
(b) Explain modeling the behavior of an element in use case.

UNIT - IV

8 (a) What are the common modeling techniques of class diagrams? Explain.
(b) Construct class diagram for “ATM TRANSACTION”.

OR

9 (a) Describe the usage of advance relationships used in modeling.
(b) List out different situations about where to use use-case diagrams.

UNIT - V

10 (a) Discuss abnormal occurrence and error modeling in signals.
(b) How you represent time and change events?

OR

11 (a) Define deployment diagram.
(b) Discuss about common modeling techniques for deployment diagram.

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