



C14-IT-604

4756

BOARD DIPLOMA EXAMINATION, (C-14)
MARCH/APRIL—2018
DIT—SIXTH SEMESTER EXAMINATION
UNIFIED MODELING LANGUAGE

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. List the principles of modeling.
2. Write in brief about simple dependencies and single inheritance.
3. What is meant by complex view? List the different views of a system.
4. Define the terms and concepts of object diagrams.
5. Explain modeling as a logical database.
6. What is use-case diagram? Give an example.

- * 7. What is activity diagram?
8. Write in brief about modeling a workflow.
9. What is component diagram?
10. Write a short note on modeling tables.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Explain the object-oriented modeling. 10
12. Explain the terms and concepts of relationships. 10
13. Explain modeling object structure. 10
14. Explain modeling reverse engineering in UML. 10
15. Explain modeling as the context of a system. 10
16. Explain the forward and reverse engineering. 10
17. Explain the terms and concepts of deployment diagram. 10
18. Write short notes on the following : 5+5=10
- (a) Modeling source code
- (b) Modeling the vocabulary of a system
