



C14-IT-604

4756

**BOARD DIPLOMA EXAMINATION, (C-14)**  
**MARCH/APRIL—2017**  
**DIT—SIXTH SEMESTER EXAMINATION**

UNIFIED MODELING LANGUAGE

Time : 3 hours ]

[ Total Marks : 80

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**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. Define the importance of modeling.
2. Write about relationships.
3. List out different views of a system.
4. Write in brief about class diagrams.
5. Write in short about modeling a logical database schema.
6. Define use case with an example.
7. Write in short about workflow.

- \* 8. Write in short about interaction diagrams.
9. How do model a physical database? Write in brief.
10. What is deployment diagram? Explain.

**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 about software development life cycle.
12. Explain the modeling of single inheritance.
13. (a) Explain the modeling of comments in UML.  
(b) Explain the modeling of source code.
14. Explain the modeling simple collaboration.
15. Explain the modeling reverse engineering in UML.
16. Draw the activity diagram for ATM.
17. Explain the modeling the requirements of a system.
- \* 18. Explain the modeling an executable release.

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