



C14-IT-604

4756

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—2017

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. Define the importance of modeling.
2. List the terms and concepts of classes.
3. What is meant by relationship? List the types of it.
4. What is a class diagram? Give an example.
5. Define modeling forward engineering.
6. Write in brief about modeling the behaviour of an element.
7. Write a short note on modeling a work flow.

- * 8. What is interaction diagram?
9. Define the terms and concepts of component diagram.
10. Write a short note on deployment diagram.

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 conceptual model of UML.
12. Explain the modeling simple dependencies, single inheritance and structural relationships.
13. Explain the common modeling techniques of class diagrams.
14. Explain the terms and concepts of object diagrams.
15. Explain the terms and concepts of usecases.
16. Explain modeling the requirements of a system.
17. Explain the modeling a client/server system.
- * 18. (a) Write about modeling the vocabulary of a system. 5
(b) Write about modeling processors and devices. 5
