



C14-IT-604

4756

BOARD DIPLOMA EXAMINATION, (C-14)

OCT/NOV—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. What is model? What are the aims of modeling?
2. Define class. How is it graphically represented? Give an example.
3. List various diagrams used to view dynamic parts of system.
4. Define class diagram and list its contents.
5. What are the uses of object diagram?
6. Define (a) interaction diagram and (b) sequence diagram.
7. What is use case diagram and what does it contain?

- * 8. What is meant by actor? Give an example.
9. Write the differences between component and class.
10. What is deployment diagram? List its contents.

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 software development life cycle in UML with neat sketch. 10
12. (a) Explain briefly about modeling complex views of a system. 5
 (b) Write the steps to model tables, files and documents. 5
13. Explain modeling simple dependencies, single inheritance and structural relationships with neat diagrams. 10
14. Explain the procedure to forward engineer a class diagram with an example. 10
15. Explain briefly about modeling logical database schema. 10
16. Explain how to model a flow control using interactions. 10
- * 17. Explain modeling an operation. 10
18. Explain modeling a source code. 10
