C14-IT-**604**

4756

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH /APRIL-2019

DIT - SIXTH SEMESTER EXAMINATION

UNIFIED MODELING LANGUAGE

Time: 3 Hours] [Max.Marks: 80

PART-A

3x10=30M

Instructions: (1) Answer **all** questions.
(2) Each question carries **three** marks.
(3) Answer should be brief and straight to the point and shall not exceed five simple sentences.

1) What is the need for modeling?

2) What are structural diagrams? List any three structural diagrams.

3) Define dependency and how it is represented graphically. Give an example.

4) Define object diagram and list its contents.

5) What is meant by forward engineering?

6) What is use case and how it is graphically represented?

7) Define (a) Interaction diagram (b) Sequence diagram.

8) What is activity diagram and what does it contain?

9) Write short notes on nodes.

10) Distinguish between component and node.

[Contd...

PART-B

10x5=50M

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

11) Explain the modeling of system architecture. 10

12) a) Explain briefly about modeling comments. 5

b) Explain briefly about modeling new semantics. 5

13) a) Explain modeling the vocabulary of a system. 5

b) Write the steps to model a fully distributed system. 5

14) Write the steps to reverse engineer an object diagram. 10

15) Explain briefly about modeling object structures. 10

16) Explain how to model requirement of a system using use case diagram. 10

17) Explain modeling a workflow. 10

18) Explain modeling a physical database. 10

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