

4756

BOARD DIPLOMA EXAMINATION, (C-14)

JUNE-2019

DIT - SIXTH SEMESTER EXAMINATION

UNIFIED MODELING LANGUAGE

Time: 3 Hours]

[Max. Marks : 80

PART -A**10X3=30M**

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

- 1) What are the building blocks of UML?
- 2) Define relationship. List three kinds of relationships.
- 3) List various diagrams used to view static parts of system.
- 4) What are the uses of class diagram?
- 5) What is meant by reverse engineering?
- 6) Define (a) Interaction (b) Message.
- 7) Define activity diagram and list its common properties.
- 8) What is communication diagram?
- 9) What is meant by component?
- 10) How to organize nodes?

[Contd....

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PART-B

5X10=50M

- 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 answer.

- 11) Explain the principles of modeling. (10M)
- 12) (a) Explain the modeling of new properties. (5M)
(b) Explain modeling of processors and devices. (5M)
- 13) Explain briefly about modeling different views of system. (10M)
- 14) Explain briefly about modeling logical database schema. (10M)
- 15) (a) Write the steps to reverse engineer a class diagram. (5M)
(b) Write the steps to model a collaboration. (5M)
- 16) Explain how to model the behavior of an element using use cases.
- 17) Explain modeling flows of control by organization. (10M)
- 18) Explain modeling executable release. (10M)

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