

**T.Y.B.SC. (COMPUTER SCIENCE) SEM –VI (2014 COURSE) :
SUMMER - 2018**

SUBJECT: UNIFIED MODELING LANGUAGE

12.00 NOON TO 02.00 PM

**Day : Friday
Date : 20/04/2018**

S-2018-0865

**Time:
Max.Marks.40**

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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Q.1 Attempt **ANY TWO** of the following: **(10)**

- a) Explain different types of models.
- b) Draw a sequence diagram for fixed deposit system.
- c) Describe the goals of UML.

Q.2 Attempt **ANY TWO** of the following: **(10)**

- a) Explain state chart diagram with example.
- b) Draw class diagram for Library management system.
- c) Explain generalization with suitable example.

Q.3 Attempt **ANY TWO** of the following: **(10)**

- a) Explain characteristics of model.
- b) Draw activity diagram for ice-cream preparing machine.
- c) Draw state transition diagram for Automatic water level control system.

Q.4 Attempt **ANY FIVE** of the following: **(10)**

- a) What is use case diagram?
- b) Define polymorphism.
- c) What is component? How to represent component?
- d) What is link? Give an example of link.
- e) What is a system design?
- f) What is qualifier?
- g) State any two applications of use case diagram.

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