

T.Y.B.SC. (COMPUTER SCIENCE) SEM –VI (2014 COURSE) :

WINTER - 2017

SUBJECT: UNIFIED MODELING LANGUAGE

Day Wednesday
Date 01/11/2017

W-2017-0765

Time: 12.00 NOON TO 02.00 PM
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) Describe aggregation with suitable example.
- b) Explain object oriented development.
- c) Explain analysis phase of system design.

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

- a) What is association? Explain association with suitable examples.
- b) Explain state chart diagram with example.
- c) Draw a component diagram for distributing electronic mail over the network.

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

- a) Draw event trace diagram for phone call system.
- b) Draw and explain architecture of UML.
- c) Explain deployment diagram with suitable example.

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

- a) What is class? How it is represented?
- b) What is use case?
- c) What is abstract class?
- d) Which are three kinds of building blocks of UML.
- e) What is event?
- f) What is collaboration?
- g) Define extends relationship in use case diagram.