

I.M.C.A. SEM-V (2014 COURSE) CBCS : SUMMER - 2018

SUBJECT : OBJECT ORIENTED ANALYSIS AND DESIGN

Day : **Saturday**
Date : **28/04/2018**

S-2018-1765

Time : **02.00 PM TO 05.00 PM**
Max. Marks : 100

N. B. :

- 1) Solve **ANY FOUR** questions from Section – I.
 - 2) Solve **ANY TWO** questions from Section – II.
 - 3) Figures to the right indicate **FULL** marks.
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SECTION - I

- Q. 1** What is Rational Unified Process (RUP)? Explain phases of RUP. (15)
- Q. 2** a) With the help of example explain various relationships between use-cases. (08)
b) How to write use cases in inception, construction and elaboration? (07)
- Q. 3** What is Domain Modeling? Describe the UML diagrams used in Domain Modeling? (15)
- Q. 4** a) What is connection between responsibilities on GRASP and UML diagram? (08)
b) Describe use case realization with GRASP patterns. (07)
- Q. 5** a) What is state diagram? What are basic symbols in state diagram? (08)
b) Explain stereo types as UML extension mechanisms. (07)
- Q. 6** What is the role of sequence diagram in modeling? Explain system events and boundary with example. (15)
- Q. 7** Write short note on **ANY THREE** of the following: (15)
a) Component diagram
b) Multiplicity
c) Agile modeling
d) CRC card
e) Package diagram

SECTION – II

- Q. 8** Draw use case diagram for Online Shopping. (20)
- Q. 9** Draw class diagram for Hostel Management System. (20)
- Q.10** Draw activity diagram for Order Management System. (20)

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