

**B.C.A. SEM-V (2014 COURSE) CBCS : SUMMER - 2018**

**SUBJECT : OBJECT ORIENTED ANALYSIS AND DESIGN**

Day : **Saturday** Time : **02.00 PM TO 05.00 PM**  
Date : **28/04/2018** **S-2018-1711** Max. Marks : 100

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**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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