

CDOE
BACHELOR OF COMPUTER APPLICATIONS (CBCS-2019 COURSE)
B.C.A. SEM - V : WINTER :- 2021
SUBJECT: OBJECT ORIENTED ANALYSIS & DESIGN

Day : Wednesday
Date 23-02-2022

W-21888-2021

Time : 02:00 PM-05:00 PM
Max. Marks: 60

N.B.

- 1) Q.4 from Section- I is **COMPULSORY**.
- 2) Answer any **TWO** questions from Section – I Q.1 to Q.3.
- 3) Answer any **TWO** questions from Section – II Q.5 to Q.7.
- 4) Figures to the right indicate **FULL** marks.
- 5) Answers to both the sections should be written in the **SAME** answer book.

SECTION – I

- Q.1** a) Explain RUP phases in detail (06)
- b) What is Interaction Modelling? Explain need of Interaction Diagrams. (06)
- Q.2** a) Explain different parts of a deployment diagram with suitable example. (06)
- b) Explain relationships used in UML with example. (06)
- Q.3** a) What are the different views that have to be considered before the buildup of an object oriented software system? (06)
- b) Explain different elements of collaboration diagram. (06)
- Q.4** Write short notes on **ANY THREE**: (12)
- a) Static UML diagrams
- b) Package diagram
- c) Collaboration diagram
- d) Role of UML in object oriented design
- e) Object modeling

SECTION – II

- Q.5** a) Create a Use Case Diagram (in UML) for Internet auction system which involves a seller and zero or more bidders. (06)
- b) Draw a Class Diagram for a college eLibrary system. (06)
- Q.6** a) What is UML class diagram? Discuss with example. (06)
- b) Draw use case diagram for credit card processing system (credit card payment online) (06)
- Q.7** a) Draw activity diagram for online shopping. (06)
- b) Draw sequence diagram for purchasing a book online from book shop. (06)

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