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MASTER OF COMPUTER APPLICATIONS (CBCS - 2020 COURSE)
M.C.A. Sem-II : WINTER- 2022
SUBJECT : OBJECT ORIENTED SOFTWARE ENGINEERING

Day : Tuesday

Time : 02:00 PM-05:00 PM

Date : 29-11-2022

W-22729-2022

Max. Marks : 60

N.B.

- 1) **Q.No. 4** from Section-I is **COMPULSORY**.
 - 2) Attempt **ANY TWO** questions from Q.No. 1 to Q. No. 3 in Section – I.
 - 3) Attempt **ANY TWO** questions from Q.No. 5 to Q. No. 7 in Section – II.
 - 4) Figures to the **RIGHT** indicate **FULL** marks.
 - 5) Answers to both the sections should be written in **SAME** answer book.
 - 6) Draw neat and labeled diagram **WHEREVER** necessary.
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SECTION – I

- Q.1** a) 'The Unified Software Development process is said to be iterative and incremental.' Explain the statement. (06)
b) Explain different types of requirements. How they are captured in Requirement Modeling? (06)
- Q.2** a) Why and when to draw Component Diagram? Explain various symbols used in it. (06)
b) What is Use Case? Explain relationships used in Use Case Diagram. (06)
- Q.3** a) How Deployment Diagrams help to represent architecture? Explain. (06)
b) Explain following concepts in Activity Diagram with appropriate example. (06)
i) Swimlanes ii) Fork iii) Joins iv) Activity
- Q.4** Write short notes on **ANY THREE** of the following : (12)
a) Modeling Principles
b) Advanced Structural Modeling
c) Object Oriented Concepts
d) Need of Interaction Modeling
e) Object Diagrams

SECTION – II

- Q.5** Draw System Sequence Diagram for Online Examination System. (12)
- Q.6** Draw Class Diagram for Health Insurance Policy. The policy should cover job based coverage, self-coverage and benefits. (12)
- Q.7** Draw Package Diagram for Online Shopping System. (12)
