MASTER OF COMPUTER APPLICATIONS (CBCS - 2020 COURSE)
M.C.A. Sem-II : WINTER : 2021
SUBJECT: OBJECT ORIENTED SOFTWARE ENGINEERING

Day : Monday

Date : 17-01-2022   W-22729-2021

Time : 10:00 AM-01:00 PM

Max. Marks: 60

N.B.:
1) Q.4 from section-I is **COMPULSORY**.
2) Answer **ANY TWO** questions from **Q.1, 2, 3** in **Section-I**.
3) Answer **ANY TWO** questions from **Q.5, 6, 7** in **Section-II**.
4) All questions carry **EQUAL** marks.
5) Answer to the both sections should be written in **SEPARATE** answer books.
6) Draw a labelled diagram **WHEREVER** necessary.

SECTION-I

Q.1 "Activity diagrams are advanced flowchart". Justify this statement with proper example. **[12]**

Q.2 a) Compare System Sequence Diagram with Collaboration Diagram. **[06]**

b) What is Domain Modeling? Explain following concepts of Domain Modeling. **[06]**

   i) Association Role   ii) Multiplicity

Q.3 Explain various phases of RUP in detail. **[12]**

Q.4 Compare Waterfall, Spiral and V-Model of Software Process on the basis of Project Size, Cost Customer Involvement, Reusability, Risk Involvement, and Flexibility to Change. **[12]**

SECTION-II

Q.5 a) Draw Use Case Diagram to withdraw the amount using ATM Transaction. **[06]**

b) What are the advantages of Component Diagrams? **[06]**

Q.6 Draw Class Diagram for hospital to show and explain Hospital Structure, Staff, and their Relationship with Patients. **[12]**

Q.7 Draw State Chart Diagram for Matrimonial website. **[12]**

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