

OCT/NOV-2023

Total No. of Questions : 5]

P5781

SEAT No. :

[Total No. of Pages : 2]

[6120]-103

First Year M.C.A. (Management)

IT-13 : OBJECT ORIENTED SOFTWARE ENGINEERING  
(2020 Pattern) (Semester-I)



Time : 2½ Hours]

Instructions to the candidates:

[Max. Marks : 50

- 1) All question are compulsory.
- 2) Draw neat diagrams wherever necessary.
- 3) Figures to right indicate full marks.

- Q1) a) Explain Rapid application development model. [5]  
b) Describe feature Driven development in detail. [5]  
OR

- a) Explain spiral model. [5]  
b) Describe web engineering process. [5]

- Q2) a) Prepare SRS as per IEEE format for G20 Summit. management system. [10]  
The overall functioning is as follows.  
i) G20 member registration.  
ii) G20 member invitation.  
ii) Schedule preparation  
iv) Expenses tracking for G20 summit.  
OR

- b) Prepare SRS as per IEEE format for a renowned car showroom system for sales and service. [10]

- Q3) a) Ministry of education is organizing smart India Hackathon for developing innovative culture in the Institute. Draw use-case diagram and class diagram for below tasks. [10]  
i) Team registration  
ii) Selecting problem statement  
iii) Evaluating idea  
iv) Nominating the team.

OR

- b) Draw activity diagram and sequence diagram for registering a billing complaint to MSEB. [10]

R.T.O.

- Q4) a) Design GUI form by using appropriate UI design elements for feedback form of one day Human rights workshop conducted in your Institute. [5]
- b) Draw state transition diagram for an elevator. [5]

OR

- a) Design GUI for households to request a new electricity connection. [5]
- b) Draw collaboration diagram for agriculture farming system. [5]

Q5) Write short notes (any two)

[2 × 5 = 10]

- a) Inheritance and polymorphism.
- c) Crystal.
- d) Object diagram.

