

Total No. of Questions : 7]

SEAT No. :

P2329**[4670] - 35**

[Total No. of Pages : 2

M.B.A.

303-C: SOFTWARE ENGINEERING
(2008 Pattern) (Semester - III) (Elective Paper - I)

*Time : 3 Hours**[Max. Marks : 70***Instructions to the candidates:**

- 1) *Question 1&7 are compulsory.*
- 2) *Answer any four questions from remaining.*
- 3) *Figures to the right side indicate full marks.*

Q1) A system is to be designed for a shopping Mall dealing in consumer items and goods. The customer can become special member by paying membership fees of rupees 10000=00 and customer can purchase items from mall for 12 months. A printed card with all details of member will be issued. The customer name, address, mobile number, E-mail ID details will be stored in the system. The customer can purchase every month maximum of 1000=00 rupees worth goods from this scheme for 12 months and amount will be subtracted from card and balance is remain in the card. If the purchase value is more than 1000=00 rupees then customer has to pay the excess amount by cash or credit/debit card. If purchase amount is less than 1000=00 rupees then remaining balance amount of 1000=00 rupees for that month will be carry forward for the next month and customer can purchase goods more than 1000=00 rupees. Customer can check balance amount detail online once registering online. Draw the following for the above case: [20]

- a) Identify all entities.
- b) Draw context level DFD.
- c) Draw first level DFD.

Q2) Explain role and skills of system analyst. [10]

Q3) Draw report layout for: [10]

- a) Item wise stocks available.
- b) Date wise items issued.

P.T.O.

Q4) Compare Spiral model of software development v/s prototyping model of software development. [10]

Q5) Define software testing. Explain the different types of software testing. [10]

Q6) Explain fact finding techniques in detail. What are its advantages? [10]

Q7) Write Short Notes (Any TWO). [10]

- a) Types of system.
- b) Reverse Engineering.
- c) CASE tool.
- d) Normalization.

