

Total No. of Questions :7]

SEAT No. :

P3747**[4870]-305**

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M.B.A.**COMPUTER MANAGEMENT SPECIALIZATION -I****303 C: Software Engineering****(2008 Pattern) (Semester - III)***Time : 3 Hours]**[Max. Marks :70**Instructions to the candidates:*

- 1) *Question number 1 & 7 is compulsory.*
- 2) *Attempt any four from the remaining.*
- 3) *Write down the assumptions clearly (if any)*

Q1) Indian Railways, the second largest Railway system in the worlds operates nearly 7800 passenger services a day to move about 11 million people over route-length of approximately 62000 kms. For administrative convenience Indian Railways is presently decided into various zones as a central, Eastern, Northern, and North-eastern, North-east frontier, South central, South-eastern and western.

Large number of people use the services provided by Indian Railways. Reservations as well as cancellations of reservation must be done quickly by the system. Hence system must be online.

Passengers need to reserve their seats in advance for the desired journey. Passengers who want to reserve tickets are provided with reservation forms. Passengers have to specify the journey details like train number, start and destinations stations, seats required, class and personal details.

- a) Draw E-R diagram.
- b) Draw a context level and first level data flow diagram. **[20]**

Q2) “System Analyst acts like a bridge between customer and Software Development Team”, Comment. **[10]**

Q3) Explain SRS (Software Requirement Specification) in detail. **[10]**

P.T.O.

Q4) Explain Waterfall model in detail. **[10]**

Q5) Surya Electronics is reputed Electronic Shoppe in the city. The shop has a very good collection of different types of electronic products. The organization wants to move the efficiency of its services to its customers. Prepare a questionnaire to be distributed among the customers for getting information about the services offered to the customers. **[10]**

Q6) What is Feasibility study? Explain types of feasibilities in detail. **[10]**

Q7) Write short notes on (Any Two): **[10]**

- a) Normalization.
- b) CASE tools.
- c) Structured English.

