

5E3254-U

Roll No. : _____

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B. Tech. (Sem. V) (Main) Examination, December - 2011
Computer Science
5CS3 Data Base Management System (Common for Computer & IT)

Time : **3 Hours**][Maximum Marks : **80**
[Min. Passing Marks : **24****Instructions to Candidates :**

Attempt any five questions selecting one question from each unit. All questions carry equal marks. Schematic diagrams must be shown wherever necessary. Any data you feel missing suitably be assumed and stated clearly. Units of quantities used/calculated must be stated clearly.

Use of following supporting material is permitted during examination.
(Mentioned in form No. 205)

1. NIL 2. NIL**UNIT - I**

- 1 (a) Describe different Data Base Schemes in detail and also explain the difference between physical and logical Data Independence. 8
- (b) Describe the five components of DBMS environment and discuss how they relate to each other. 8

OR

- 1 Generate an E-R digram for Bank enterprise which has following major characteristics :
- (i) The bank is organized into branches, located in a city and has a unique name. It monitors the Asset value.
- (ii) Bank customers are identified by their customer-id values. Customers have accounts and take out loan. He/She is associated with a particular Banker, who may act as a loan officer or Personal Banker for that customer.

