## http://www.rgpvonline.com http://www.rgpvonline.com Total No. of Questions: 8] [Total No. of Printed Pages :2 Roll No ..... What are the inference rules for multivalued IT-403 dependencies? Explain. http://www.rgpvonline.com B.E. IV Semester Discuss the important design goals for relational database, and explain why each is desirable. Examination, December 2016 Data Base Management System Discuss the relative advantages of centralized and Time: Three Hours distributed database. Maximum Marks: 70 Note: i) Answer any five questions. What are object oriented databases? What are its ii) All questions carry equal marks. advantages and disadvantages? Write short notes: Discuss the various components of database system. 7 What are the different levels of data abstraction? Explain Security and integrity constraints each of them. Functional dependency 2. a) Draw an E-R diagram of university by determining entities Concurrent operations of interest and the relationship that exists between there Problems with dangling tople entities. What are data models? Discuss briefly any one data model. What are the different types of database end users?

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Discuss the main activities of each.

Assume suitable entity and relations.

outer join and right outer join with example.

Explain about set operation in relational algebra.

What is referential integrity? How it is implemented using

Draw an E-R diagram for a hospital management system.

Explain join, natural join, outer join, full outer join, left

What is BCNF? Give an example of a relation schema R and set of dependencies such that R is in BCNF, but not in http://www.rgpvonline.com

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