

DBMS_SECOMP_B_UT1_QUESTION PAPER

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SECTION - 2 (DESCRIPTIVE QUESTIONS)

INSTRUCTION: SECTION2 Carries total 10M. Attempt both the questions Q2 and Q3. Write your Roll Number, Name, and signature on each page . Write answers on A4 size paper. Kindly see that the PDF or scanned image that you are uploading is readable and clear.

NAMING CONVENTION : Name the file as RollNo_Firstname_LastName_Section_QuestionNumber.

For example: for uploading Q2 by Roll Number 2222 File should be named as

'2222_AJITA_DESAI_Section2_Q2'

For for uploading Q3 by Roll Number 2222 File should be named as '2222_AJITA_DESAI_Section2_Q3'

5 points

Q2 - Consider following tables

Faculty (FacId, name, salary, address, joining_date, dno)

Department (Dno, Dname, HOD)

Course (code, title, credit, type)

Teaches (FacID, code, venue, slot)

Solve any **FIVE** queries.

- List the Faculty information earning salary more than 30,000.
- Retrieve the maximum salary from Faculty table.
- Display Faculty information whose name either starts with letter 'A' or with 'S'.
- List the faculty IDs who are handling more than **TWO** courses.
- Add one more column '**location**' to the Department table.
- List all those faculty who have joined the department in the Month of 'June' and Year 1990.
- Add a PRIMARY KEY CONSTRAINT in table Teaches. Make combination of **FacID** and **Code** as a primary key.



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5 points

Q3 – A publisher company produces Books. The Book is characterized by BookID, Title , no_of_pages and Price. The Books are written by Authors. Database stores AuthorID, Author_name, Author_acct_no and subject_specialization. One author may have specialization in multiple subjects. The company employs Editors, each takes sole responsibility for editing one or more Books. Editors are identified by Editor_ID. One book is edited by only one Editor. Every book requires some items for publication. These items are supplied by the Supplier. One supplier can supply many items. Books are purchased by Shop_Owner. A shop_owner may purchase many books from the publisher but one book can be sold to only one Shop_Owner. Company keeps records for the number of copies of each book sold to the shop_owner. Draw a neat **ER – Diagram**. Also show cardinality constraint on each relationship. Assume necessary data.



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