



DF-3023
Second Year B. Sc. (Sem. III) Examination
March / April - 2016
Computer Science : Paper - V
(Relational Database Management System-I)

Time : 2 Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दशांशवैल निशानीवाणी विगतो उत्तरवडी पर अवश्य क्षभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : SECOND YEAR B. Sc. (SEM. III)</p> <p>Name of the Subject : COMPUTER SCIENCE - 5</p> <p>Subject Code No. : 3 0 2 3 Section No. (1, 2.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; margin-top: 10px;">Student's Signature</div>
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- (2) Q. No. 1 is compulsory.
- (3) Figures in the right side indicate full marks.
- (4) Each question carries equal marks.

1 Answer in brief : 10

- (1) Define database.
- (2) Define ER model.
- (3) Describe use of between predicate.
- (4) What is use of 'on delete set null' ?
- (5) Define PK.

2 (a) Discuss all variant of ALTER TABLE statement. 5

(b) Discuss any 5-date related oracle functions. 5

OR

2 (a) Explain importance of database system. 5

(b) Explain network model. 5

- 3 (a) Discuss relation algebra. 5
(b) Discuss specialization and generalization. 5

OR

- 3 (a) Explain having clause. 5
(b) Discuss different JOIN types. 5

- 4 (a) Discuss DDI. 5
(b) Discuss 2 NF in detail with insert, delete and modification issues. 5

OR

- 4 (a) Write note on constraints. 5
(b) Discuss Revoke command in detail. 5

- 5 Attempt any five : 10

emppersonal (eno(pk), ename, city, birthdate, gender)

empsalary (eno(fk), salary, dno (fk))

dept (dno(pk), dname, managerno (fk))

Using above tables solve following queries.

- (a) Make table dept table.
(b) Add one new data row in dept table.
(c) define eno as FK in empsalary table.
(d) Only F or M is allow in gender column.
(e) Display structure of dept. table
(f) Change name of dept table to department table.
(g) Calculate age of all every employee w.r.t today.
(h) Display ename who lived in Pune or Bombay.

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