



SB-0714
Second Year B. Sc. Examination
March / April – 2011
Computer Science : Paper - V
(RDBMS)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

<p>नीचे दशांशवेल निशानीवाणी विगतो उत्तरवडी पर अवश्य लभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <input type="text" value="S. Y. B. Sc."/></p> <p>Name of the Subject : <input type="text" value="Computer Science-5"/></p> <p>Subject Code No. : <input type="text" value="0"/> <input type="text" value="7"/> <input type="text" value="1"/> <input type="text" value="4"/> Section No. (1, 2,.....): <input type="text" value="Nil"/></p>	<p>Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; height: 80px; display: flex; align-items: center; justify-content: center; margin-top: 10px;">Student's Signature</div>
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- (2) All questions carry equal marks.
- (3) Question 1 is compulsory.
- (4) Figures in the right side indicate full marks.

- 1 Answer in brief : 14
- (1) What do you mean by data redundancy ?
 - (2) Define DCL with example.
 - (3) State difference between primary key and candidate key.
 - (4) What is the meaning of normalization ?
 - (5) Define concurrent access.
 - (6) Differentiate between CHAR and VARCHAR data types.
 - (7) What is Data Security ?
- 2 (a) What is role of database administrator in a database system ? Explain in detail. 14
- (b) Draw E-R diagram for supplier-part-project relationship supplier (Sno, Sname, Status, city) part (Pro, Pname, color, weight) Project (Jno, Jname, City) Supp-Part-Project (Sno, Pno, Jno, Qty).

OR

- 2 (a) Write a note on authorization and views. 14
- (b) Describe system errors and hardware failure concepts.

- 3 (a) What is normalization ? Why it is necessary ? 14
Explain it.
(b) Discuss different normal forms.

OR

- 3 (a) Differentiate between restrict and project relation 14
operators.
(b) Define degree, cardinality and attributes in terms of
relation with example.

- 4 (a) Explain any 7 oracle function (SQL). 14
(b) State importance of view with example.

OR

- 4 (a) Write a note on cursor. 14
(b) What is Database Trigger ? Why we use Trigger ?

- 5 Attempt any two : 14
(a) Write a P4SQL block code to print multiplication table
of the given integer number.
(b) Create a function check-dno that check given dept-no
is exists in dept-mast table (deptno, name) or not also
write program code to input deptno and display proper
message by using above function.
(c) Write and delete trigger audit-dept on dept-mast table.
The system should keep track of records that are being
deleted. The old values of deleted record should be added
in audit-trial table (deptno, dname, operation type,
userid, operation_date).
