



**A-3023**

**Second Year B. Sc. (Sem. III) Examination**

**March/April – 2015**

**Computer Science : Paper - V**

*(Relational Database Management System : I)*

Time : 2 Hours]

[Total Marks : 50

**Instructions :**

(1)

नीचे दशांशवैध निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text" value="S. Y. B. SC. (SEM. 3)"/>	<input type="text" value="Student's Signature"/>
Name of the Subject :	
<input type="text" value="COMPUTER SCIENCE : PAPER - 5"/>	
Subject Code No. : <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="2"/> <input type="text" value="3"/>	Section No. (1, 2,...): <input type="text" value="Nil"/>

- (2) All questions carry equal marks.  
(3) Question 1 is compulsory.  
(4) Figures in the right side indicate full marks.

- 1 Answer in brief. 10
- 1 Define Foreign Key
  - 2 What is use of Data Dictionary?
  - 3 Describe cardinality in terms of relation.
  - 4 Give examples of DCL.
  - 5 What is use of Grant command?

- 2 (a) Explain ALTER TABLE command. 5  
(b) Explain Data Constraints in detail. 5

**OR**

- 2 (a) Discuss 1 NF in detail with insert, delete and modification issues. 5  
(b) Describe Network model 5

- 3 (a) Discuss functions related to string. 5  
(b) What is data type ? Discuss different oracle basic data types. 5

**OR**

- 3 (a) In brief discuss different relation operators. 5  
(b) Discuss Hierarchical model. 5

- 4 (a) What is SQL? Discuss Components of SQL. 5  
(b) Discuss different terms used in ER diagram. 5

**OR**

- 4 (a) Write a note on JOIN. 5  
(b) Discuss concept of VIEW. 5

- 5 Attempt any **five**. 10

Studentper(sno,sname,gender,birthdate)

Studentmark (sno,class,examdate,m1,m2,m3)

Using above Tables solve following queries.

- (a) Make table studentmark.  
(b) Delete studentper table.  
(c) Count total number of student.  
(d) Display sno,name,totalmark for student who secure 1<sup>st</sup> rank.  
(e) Calculate percentage.  
(f) Display sname start with s or d.  
(g) Change class to sybsc for sno=S1.  
(h) display student sno and percentage.