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**BO—13—2016**

**FACULTY OF COMPUTER STUDIES**

**B.C.A. (Second Year) (Fourth Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2016**

**(Revised Course)**

**COMPUTER APPLICATION**

**(Introduction to RDBMS Through Oracle)**

**(Monday, 21-11-2016)**

**Time : 2.00 p.m. to 5.00 p.m.**

*Time—Three Hours*

*Maximum Marks—80*

*N.B. :— (i) Attempt All questions.*

*(ii) Figures to the right indicate full marks.*

*(iii) Assume suitable data wherever necessary.*

1. Attempt the following : 20

(a) Explain Attribute, domain, tuples and relation.

(b) What is subqueries ? Explain types of subqueries.

(c) Explain indexes with example.

(d) Explain the clauses union, intersect and minus.

2. (a) Explain structure of DBMS. 8

(b) Explain business rule constraints with example. 7

*Or*

(c) Based on the given table and data, write SQL statement to perform the following : 8

**Student Table**

R-id	Name	College
01	Veeru	Parbhani
02	Charu	Hingoli
03	Raj	Latur

(i) Insert the given records in student details table.

(ii) Display the name of the student who is from Latur.

(iii) Delete the record from R-id = 03

(iv) Change the record in student whose from Parbhani.

(d) Explain character function with example. 7

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3. (a) Explain oracle dual table and sysdate with example. 8  
(b) Explain manipulation date with example. 7  

*Or*

(c) Explain stored procedure and function. 8  
(d) Explain general PL/SQL block. 7
4. (a) Explain component parts of a two-dimensional matrix. 8  
(b) Explain advantage and disadvantage in dbms. 7  

*Or*

(c) Explain grouping data from tables . 8  
(d) Explain DCL statement with example. 7
5. Write short notes on any *three* : 15  
(a) DML  
(b) View  
(c) Trigger  
(d) Data types  
(e) Outer join.

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