



DM-0790

Second Year B. C. A. (Sem. IV) Examination
September / October – 2006
403 - RDBMS

Time : 3 Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशावेक निशानीवाणी विगतो उत्तरवदी पर अवरय इप्रेवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
← S. Y. B. C. A. (Sem. 4)	<input type="text"/>
Name of the Subject :	<input type="text"/>
← 403 - RDBMS	<input type="text"/>
← Subject Code No. : <input type="text"/> 0 <input type="text"/> 7 <input type="text"/> 9 <input type="text"/> 0	← Section No. (1, 2,.....) : <input type="text"/> Nil
Student's Signature	

(2) Question 1 is compulsory.

(3) Figures to right indicate full marks.

1 Answer in short :

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- (1) When Explicit cursor used ?
- (2) Write down the command take back SELECT and UPDATE privileges on the table emp from user thira.
- (3) What is the function of prior() attribute?
- (4) What Oracle object is used for recovery operations ?
- (5) What is schema ?
- (6) Which function will allow you to substitute a given value for any Null values arising from a select statement ?
- (7) What is database trigger ? Can we invoke trigger explicitly ?
- (8) How is user-defined function is invoked in a package ?
- (9) What is SQL * loader ?
- (10) What is table space ?

2 Do as directed :

15

- (a) What is DBA ? Discuss the basic duties of DBA. 5
- (b) What are the range searching and pattern matching operators in Oracle ? Explain with syntax and suitable example. 5

DM-0790]

1 A

[Contd...

- (c) Write a PL/SQL code block that will accept an employee number from the user and deduct a salary by Rs. 200 from the inputted employee if the employee has a salary less than 1000 after salary is deducted then display user defined message "SALARY LESS THAN 1000".
The process is to be fired on the emp table
(Table emp : (empno, name, salary).

5

OR

2 Do as directed :

- (a) Define term RDBMS. List out Codd's laws which are followed by RDBMS. Explain any three in detail.
(b) What is concurrency control ? Explain Explicit concurrency control in detail with example.
(c) The product_no stored in product_master table is a concatenation of the month and the number generated by the sequence prod_no. For eg. Product_no 0105 is generated with 01(month number and 5 is sequence generated value).
Insert values in the product_no column of a product_mastertable using the sequence.

15

3

5

5

3 Do as directed :

- (a) Explain nested tables with example.

15

5

OR

- (a) Write a note on vary.
(b) Create a table "stud" with following columns :
(i) rollno (primary key) number(3)
(ii) Name varchar2(15)
(iii) Date of admission date.

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Apply following restriction on table.

- (1) Name should be either 'DATTAVI', 'THIRA', 'GAGI'
ROLLNO should be less than 60.
(2) Date should be default system date.

- (c) What is PL/SQL ? Discuss the disadvantages of SQL in compare to PL/SQL.

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OR

- (c) What is active data set ? Discuss about Implicit cursor. Also explain %isopen and %rowcount Attributes of cursor.

- 4 Do as directed : 15
- (a) List out different protective mechanism in Oracle. 5
Which protective mechanism is more powerful ? Give your comments.
 - (b) What is named notation in calling parameter ? Discuss 5
the difference between Positional And named notation.
 - (c) Write a note on independent object of Oracle. 5

OR

- 4 Do as directed : 15
- (a) Define overloading. Write down the advantages of 5
overloading.
 - (b) What is FOR cursor loop ? Discuss advantages of FOR 5
cursor over simple cursor. Also giving example the REVERSE keyword in FOR loop.
 - (c) What is Exception ? Can we say exception handling 5
improve the quality of software ?
- 5 (a) Dattavi Company Ltd., track the records of daily in- 8
out time for their employees. Write a custom exception, which is implement while inserting records in empinout table, if employee arrival time > 8 A.M. then do not allow insertion operation and raise the exception and give the message "YOU ARE LATE, COME BEFORE TIME NEXT TIME".
(empinout : empno, name, date, intime, outtime)
- (b) Write a custom exception which is implement while 7
inserting records emp table. if sal<5000 then do not allow insertion operation and raise the exception and give the appropriate message.
(Emp : empno, name, dateofjoin, sal)