



JB-3191
Second Year B. Sc. (Sem. IV) Examination
April/May - 2013
Computer Science : Paper - V
(Relational Database Management System - II)

Time : Hours]

[Total Marks : 50

Instructions :

(1)

<p>नीचे दशांश देव निशानीवाणी विगतो उत्तरवडी पर अवश्य बपनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : SECOND YEAR B. SC. (SEM. 4)</p> <p>Name of the Subject : COMPUTER SCIENCE : PAPER - 5</p> <p>Subject Code No. : 3 1 9 1 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : □ □ □ □ □ □</p> <p>Student's Signature</p>
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- (2) Question 1 is **compulsory**.
(3) Figures in the **right** side indicate full marks.

- 1 Answer in brief. 10
- (i) What is use of commit ?
- (ii) What is transaction ?
- (iii) Define cursor.
- (iv) Which types of locks are used ?
- (v) Define Exception Handler.
- 2 (a) Write note on Concurrent execution. 5
- (b) How Isolation rule is implemented ? 5

OR

- 2 (a) Explain stored procedure with example. 5
- (b) How security can be maintain in PL\SQL ? 5
- 3 (a) Discuss Validation based protocols. 5
- (b) Describe Deadlock handling. 5

OR

- 3 (a) Write note on various Data types supported by PL\SQL. 5
(b) Why SQL is known as subset of PL\SQL. 5
- 4 (a) Write a note on Database trigger. 5
(b) Discuss significance of package. 5

OR

- 4 (a) Discuss general structure of PL\SQL block. 5
(b) Discuss WHILE loop in detail. 5
- 5 Write notes on following : (any two) 10
- (i) Write a PL\SQL block code to calculate area and perimeter of rectangle for a given value of length and breadth.
 - (ii) Write and delete trigger audit_item on item_mst (no, name) 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 (no, name, operation_type, operation_date).
 - (iii) Create a procedure proc_check_no that a check given itemno is exists in itemt_mst table (no, name) or not. Also write package code to input no and display proper message by holding above procedure.
 - (iv) Write a PL\SQL block code to print reverse number of the given integer number.
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