B.Sc.IT: Semester – III [Advanced SQL]
Question Paper (January – 2014) [Revised Course]

- Kamal T.

Time: 3 Hours **Total Marks: 100**

N.B.: (1) All Questions are Compulsory.

Q.1 Attempt Both The Question: (10 Marks)

(A) Explain Inner Join and Outer Join with example. **(5)**

(B) Write SQL Statement for the customer. **(5)**
(Emp_Id, Emp_Name, Contact_No, Salary).
(i) Display employee Id with salary.
(ii) List all employee's name starts with 'P'.
(iii) Display employee name in descending order.
(iv) Display name of employee having maximum salary.

Q.2 Attempt Any Three From The Following: (15 Marks)

(A) Explain Primary Key and Foreign Key with example. **(5)**

(B) Explain group by clause with examples. **(5)**

(C) Explain Synonyms and Indexes in detail. **(5)**

(D) What are Views? What are its advantages? **(5)**

Q.3 Attempt Any Three From The Following: (15 Marks)

(A) State and explain date time functions in SQL. **(5)**

(B) Explain sub queries in FORM clause with example. **(5)**

(C) Explain set operators with example. **(5)**

(D) Explain Cube and Rollup with example. **(5)**

Q.4 Attempt Any Three From The Following: (15 Marks)

(A) Explain PL/SQL Block Syntax. **(5)**

(B) What is Identifier? Explain Declarative Section. **(5)**

(C) What is PL/SQL? Give advantages of PL/SQL. **(5)**

(D) Explain sequences in PL/SQL Expressions. **(5)**

Q.5 Attempt Any Three From The Following: (15 Marks)

(A) Explain Exception Handling with PL/SQL. **(5)**

(B) Explain %NOTFOUND and %ROWCOUNT attribute with example. **(5)**

(C) How to insert and update records with PL/SQL. **(5)**

(D) Explain Loop statements with example. **(5)**

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Q.6	Attempt Any Three From The Following: (15 Marks)	
(E)	What is Package? Explain advantage of packages.	(5)
(F)	Write PL/SQL Function to find out factorial of given number.	(5)
(G)	How to create, call and remove stored procedure?	(5)
(H)	What are the advantages of stored procedure and function?	(5)

Q.7	Attempt Any Three From The Following: (15 Marks)	
(A)	Explain what are Business Application Scenarios for Implementing Triggers.	(5)
(B)	What is Trigger? Explain the various components of a Trigger.	(5)
(C)	Explain what are row, statement and after / before Trigger.	(5)
(D)	What are the system privileges required to manage Triggers?	(5)

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