Day : **Friday**	Time: **02.00 P.M. TO 05.00 P.M.**
Date : **22/12/2017**	Max. Marks: 80

W-2017-4433

N.B.:

1) Attempt **ANY FIVE** questions from Section – I and **ANY TWO** questions from Section – II.
2) Answers to both the sections should be written in **SEPARATE** answer books.
3) Figures to the right indicate **FULL** marks.

SECTION – I

Q.1 Elaborate Codd's Rules with reference to SQL Server. **[10]**

Q.2 Define Views. Illustrate necessity of views to reduce the redundancy of data. Give appropriate syntax and examples. **[10]**

Q.3 a) Explain Database Shrinking in SQL Server. **[05]**

b) Explain various file groups used in SQL Server. **[05]**

Q.4 What are functions? Discuss any five Date functions with appropriate syntax and examples. **[10]**

Q.5 Write significance of 'Indexes'. Elaborate clustered and non-clustered indexes. **[10]**

Q.6 What are joins? Explain Inner and Outer Joins with appropriate syntax and examples. **[10]**

Q.7 Write short notes on **ANY TWO** of the following: **[10]**
  a) T – SQL
  b) SET Operators
  c) Architecture of SQL Server
  d) Locking mechanisms

SECTION – II

Q.8 Consider following tables:
  department (D_no, D_name, location)
  employee (E_no, E_name, Job, Salary, D_no)
  Write stored procedures to:
  a) Accept employee number and display his details. **[08]**
  b) Display name, salary, D_no of highest paid employee. **[07]**

Q.9 Write a cursor to fetch the records from table t1 with salary greater than Rs. 25000 and transfer the filtered records into table t2 after incrementing salary by 10%. **[15]**

Q.10 a) Pass two numbers to the function and print the largest number. **[08]**

b) Write a stored procedure to accept E_no from user and display his salary. **[07]**

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