

**M.Sc. (I.T.) Semester – 2**  
**Oct-Nov-2017 Practical Examination**  
**Paper No. 8: Programming Lab – II**

Time: 3 Hours

Total Marks: 100

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- Q.1 Create following tables with appropriate constraints and perform queries given below: [50]

STUDENT(**SID**, SNAME, ADDRESS, CITY, DOB)

EXAM (**EID**, ENAME, MAX\_MARKS, MIN\_MARKS)

EXAM\_DETAIL ( **SID**, **EID**, OBT\_MARKS, EXAM\_DT)

Note: Underlined columns are primary keys and bold shows foreign keys; enter meaningful data into tables.

[1] List all students' detail who is not appeared in exams.

[2] List all students name who obtained marks more than 70.

[3] Display those students' detail who is 18 years old.

[4] Display three top rankers of exam "MSCIT2".

[5] Display exam wise 1<sup>st</sup> ranker.

- Q.2 Create a class 'Employee' which contains the data members: [20]  
Employee Id, Name, Department, Designation and Basic Salary.

Write a C++ program to input the information of 10 employees. Only print the information of those employees whose salary is greater than 50000.

- Q.3 Define a class BC (Base Class) with two variables as data members. [30]  
Define another class DC (Derived Class) which inherits the data member of BC. Multiply the two variables and display the result.

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