

M.sc.IT Examination March/April 2015
Semester – 2
Paper No – 8. Programming Lab II
Paper Code : 2940
Set 4

Time : 3:00 Hours

Marks : 100

Q - 1 Write a class student which contains following data members. [25]

1. roll_no
2. name
3. exam_year
4. University_name
5. percentage

Write default and parameterized constructor to get data and display data for a class. Display the grade of student using following condition.

- If student have more then 80% then give 'A' grade
- If student have more then 70% then give 'B' grade
- If student have more then 60% then give 'C' grade
- If student have more then equal to 40% then give 'D' grade
- If student have less then 40% then give 'F' grade

Note: - Display output in formatted manner.

Q - 2 Write a program of Inheritance which use constructor to input value from user [25]
and call base class constructor from derived class constructor. Use destructor
to destroy object. Display all the informatin of Floppy and CD also display
amount(qty*price) of both Floppy and CD class and display output in
formatted manner.

Q - 3 Create following table and store at least 10 records in it [50]

Table Name: Department			
Field_Name	Field_Type	Width	Constraint
Dept_id	Numeric	3	Primary key
Dept_name	Character	50	Not null
Dept_location	Character	50	Not null
Table Name: Employee			
Emp_id	Numeric	5	Primary key
Emp_name	Character	50	Not null
DOJ	Date	-	Date of Joining
DOB	Date	-	Date of Birth
Salary	Numeric	(10,2)	Default value (0.0)
Dept_id	Numeric	3	References dept_id of department table.

Perform following query on above table.

1. Display only those records which are work in Sales Department
2. Update salary of employee with 500 rs where dept_id is 20.

3. Display only those employee detail whose joining year is 2005.
4. Create view for manager which provides detail of both table.
5. Display only those records where dept_location is Chitra.
6. Display sum of salary given to the production department.
7. Display maximum and minimum salary given to the employee.

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