

16 APR 2019

Seat No: _____

BSc.IT Semester-4 Practical Examination
March/April-2019
407- Practical (Based on CC-403 and CC-404)
Subject Code: 20995
SET-1

Time: 3 Hours

Total Marks: 100

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- Q-1[a] Design a traffic signal system in vb.net [20]
[Hint : Use timer control]
- Q-1[b] Design a form that allows displaying records of employee as per selected [30]
department from dropdown list.
I.e. if user select Purchase department then all employee information
working in Purchase department should be displayed in Grid view.
[Create table named employee having fields like emp_id, name, department,
DOB & insert records directly in database]
- Q-2[a] Create the following tables: [20]
1) stud_master :stud_no, name, DOB, stream
2) stud_dtl :stud_no, sub1, sub2, sub3
[Use appropriate data type, size & constraints]
-Insert 10 records in both tables.
- Q-2[b] Do as directed [30]
- 1) Display information of those students whose DOB is before 2005
 - 2) Display those students's name whose name starts with 'T'.
 - 3) Add total, percentage columns to stud_dtl table.
 - 4) Display all student's age on today.
 - 5) Display 1st three characters of student's name.
 - 6) Calculate and update total & percentage of student in stud_dtl table.
 - 7) Display name of those students whose total is greater than 250.
 - 8) Display that students's information whose percentage is minimum.
 - 9) Display all students's information in order of percentage.
 - 10) Remove records from stud_master whose total is less than 150.

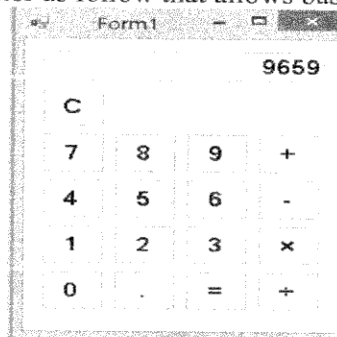
16 APR 2019

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Subject Code: 20995
SET-2

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

Q-1[a] Design a simple calculator as follow that allows basic arithmetic operations. [30]



Q-1[b] Create a console application in vb.net to print following triangle pattern: [20]

```
1
2 2
3 3 3
4 4 4 4
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Q-2[a] Create the following tables: [20]

- 1) Dept_dtl : dept_no,name,location
 - 2) Emp_dtl :emp_id, name, DOB, DOJ, salary, dept_no
- [Use appropriate data type, size & constraints]
 -Insert 5 records in department table & 10 records in employee table.

Q-2[b] Do as directed [30]

- 1) Display information of those employees whose DOB is before 2000
- 2) Display those employees's name whose name starts with 'T'.
- 3) Display employee name, salary, department name of all employee.
- 4) Display all employee's age on today.
- 5) Display 1st three characters of employee's name.
- 6) Deduct the salary by Rs. 500 of all employees who are working in Sales department.
- 7) Change the name of emp_dtl table to revised_employee
- 8) Display employee's information whose salary is minimum.
- 9) Display all employee's information in order of salary.
- 10) Remove records whose DOJ is after 2018.