EASTERN UNIVERSITY, SRÍLANKA
Unlverallig. DEPARTMENT OF MATHEMATICS

## SECONT EXAMINATION IN SCIENCE - 2009/2010 FIRST'SEMESTER (June. /July., 2011)

# CS152 - PRACTICAL WORK ON INTRODUCTION TO PROGRAM DESIGN AND PROGRAMMING (Proper \& Repeat) 

Declare a structure for an employer record consisting of the following fields:

```
emp_name
emp_id
address
sex
basic_Salary
allowance
unit
charge
total_Salary
```

(Note: In this structure, 'unit' denotes the units of electricity consumed by the employee who resides in the quarters and 'charge' denotes the electricity charge)

Write a $\mathrm{C}++$ programme to do the following:

- Read the necessary data (Emp_name, Emp_id,'Address, Sex, Basic_Salary, Allowance and unit) from the keyboard for 5 Employees.
- Write a function to calculate and set the charge fields of all employees with the following :
- If they consumed less than 90 units, then the charge per unit is Rs. 9
- If they consumed between 90 and 180 units, then the charge per unit is Rs. 15
- If they consumed more than 180 , then the charge per unit is Rs. 20
$($ Charge $=$ unit * charge per unit $)$
- Write a function to Calculate and set the Total_salary field of all employees with the following formula.
Total_salary=Basic_salary + allowance - charge
- Display all employees emp_name and charge detail.
- Write a function to return the maximum of Total_Salary among all five employees
- Write a function to return the minimum of Total_Salary among all five employees
- Write a function to return the average of Total_Salary of all five employees
- Print maximum, minimum and average Total_Salary of all five employees.

