

REGENT UNIVERSITY COLLEGE OF SCIENCE AND TECHNOLOGY

FIRST SEMESTER EXAMINATION

SICS 151 PRINCIPLES OF Programming – C Language

LECTURER: CHRISTY EUNAICY

MAY 2005

TIME: 3hr

PART-A

- Each question carries 2 marks
 - Answer all the questions
1. Write the syntax for *Print* statement and *Input* statement.
 2. Write the syntax for *declaring variable names* and give example.
 3. What's the difference between *While* loop and *Do-While* loop?
 4. Define *Arrays*.
 5. Write short notes on *Break* and *Continue* statements.

Part-B

- Answer all the questions
 - Each question carries 10 marks
6. a) Write a program to *Convert a Celsius temperature to Fahrenheit*
[OR]
b) Write a program to *find the biggest of three numbers*
 7. a) Write a C program to print the *cubes of numbers*.

[OR]



b) In a company an employee is paid as under:

If his *Basic Salary* < 1500, then *HRA* = 10% of basic salary and *DA* = 90% of basic salary; If his *salary* is either equal to or above 1500, then *HRA* = 500 and *DA* = 98% of basic salary. Write a program to find his *gross salary*.

8. a) Write a program to calculate *Simple Interest* for 3 sets of *P,N,R* using *While* loop

[OR]

b) Write a C program to *find the quotient and remainder* for any number using *do-while loop*.

9. a) Write a program to *Print the even numbers from 1 to 20* using *Continue* statement.

[OR]

b) Write a C program *to accept 2 numbers and an operator* for the process of addition, subtraction, Multiplication and Division using the *Switch Case* statement

10. a) Write a program to find average marks obtained by a class of 30 students in a test using arrays.

[OR]

b) Write a program to find the first and second highest marks obtained by a class of 50 students using arrays.

11. a) Write a program for *adding two Matrices*

[OR]

b) Write a program for *Multiplying two matrices*

