

Exam.Code:0905
Sub. Code: 6643

1129

B.E. (Bio-Technology) First Semester
CS-104: Computer Programming

Time allowed: 3 Hours

Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting two questions from each Unit.

x-x-x

- I. Answer the following briefly:-
- What are actual and formal arguments?
 - Define Polymorphism.
 - What is ternary operator? Explain it with example.
 - Define Pointer to Structure.
 - Define pre-processor.
 - What is typecasting? Explain its types.
 - Define Cache Memory?
 - What are Static variables? How it is different from automatic variables.
 - Define rules to declare a variables?
 - Define MACROS. (10x1)

UNIT – I

- II. a) What is LINUX Shell? Explain any 5 Linux Shell Commands.
b) Write a program to delete an element from an array of 10 integers. (5,5)
- III. a) Differentiate between Call by value and Call By Reference with suitable example.
b) Write a program to print Fibonacci series (0,1,1,2,3,5,8,13,21...) upto 20 terms. (5,5)
- IV. a) What is recursion? Write a program to find GCD using Recursion ?
b) Define Pointers. Write all arithmetic operations that are allowed and not allowed on pointers. (5,5)

UNIT – III

- V. a) Define Structure. How it is different from Union?
b) Write a program to create structure Cricket (Playerid, Playemame, Totalscore, numberofmatches) of 10 players. Print information of Player who got maximum Score. (3,7)

P.T.O.

(2)

- VI. a) Define file opening Modes.
b) Write a program to copy a text file using Command line arguments.
c) Define fprintf() and fseek() function. (3,5,2)
- VII. a) What is OOPS? How it is different from Procedure oriented programming (POP)?
b) Define (i) Inheritance (ii) Abstraction. (5,5)

x-x-x

Tim
NO