

28
28.

Exam.Code:0906
Sub. Code: 6679

1108
B.E., (Electrical and Electronics Engineering)
Second Semester
CS-204: 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. Attempt the following:-

- What is the significance of declaring a constant integer?
- Find errors, if any, in the following assignments statements and rectify them.

i) `m=++a * 5;`

ii) `p * = x/y;`

- What is function prototype?
- What are the arithmetic operators that are permitted on pointers?
- When do we use `free()` and `rewind()` functions? (5x2)

UNIT - I

II. Distinguish between the following:-

- Actual and formal arguments
- Register and static variables
- `&` and `*` operator
- `getchar` and `scanf` functions
- `feof()` and `terror()` functions (5x2)

III. a) Write a C program to read the age of 100 persons and count the number of persons in the age group of 50 to 50.

b) Write a function `locate()` that takes two character arrays `s1` and `s2` and one integer value `m` as parameters and inserts the string `s2` into `s1` immediately after the index `m`. (5,5)

P.T.O.

(2)

- IV. Write a program using pointers to read in an array of integers and print its elements in reverse order. (10)

UNIT - II

- V. Define a structure that can describe an hotel, it should have members that include the name, address, grade, average room charge, and number of rooms. Write functions to perform the following operations:
- To print out hotels of a given grade in order of charges
 - To print out hotels with room charges less than a given value (10)
- VI. Write a program that reads a file containing integers and appends at its end the sum of all the integers. (10)
- VII. a) What are advantages of Object oriented Languages as compare to Procedure Oriented languages?
- b) Differentiate between run time and compile time polymorphism. (5,5)

x-x-x