JANATA COLLEGE, Serfanguri

BCA 1st Semester Sessional examination ,2022

Subject : Introduction to C Programming

Paper code: C2

Total Marks: 20 Time: 1hours

Q.1. Answer the following questions: 5 X 1 = 5

 i)  Which of these is NOT a relational or logical operator?

a) = b) || c) == d) !=

ii) The global variables are \_\_\_\_\_\_\_\_\_\_\_\_.

a. External b. Internal c. Both External and Internal d. None of the above

iii) The #include <stdio.h> is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

a. Inclusion directive b. File inclusion directive c. Preprocessor directive

d. None of the above

iv) What is the output of below program?

int main ()

{

 int i;

 for(i = 0,i<5,i++)

 {

 printf("Hello");

 }

 return 0;

}

(A) Hello is printed 5 times (B) Compilation Error (C) Runtime Error (D) Hello is printed 4 times

v) C is a \_\_\_\_\_ language

a) High Level b) Low Level c) Middle Level d) Machine level

Q.2. Answer the following questions ( any five): 2 X 5 = 10

a) Write difference between while loop and do…while loop.

b) What is a variable and pointer in c language?

c) What is Array? How to define and initialize an array.

d) What is structure and how to define?

e) Define data types in C language.

f) What are the rules to follow for declaring a variable?

g) What is file and type of file in C language?

h) Explain about fprint() and fscanf() function.

Q.3. Answer the following question (Any one): 5

i) Write a C program to find factorial of a given number.

ii) Explain conditional operator and write a c program to explain it.

iii) What do you understand call by value and call by reference? Explain with suitable example.

iv) Explain structure in C . What is the difference between structure and union ?