

Kanoria PG Mahila Mahavidyalaya
Department of Computer science
I Internal Exam 2021-22
BCA Ist YEAR

Paper code: 104 Principle of Programming Through C

Max. Marks: 50

Time duration: 2hr

Very short Questions

(10*1=10)

1. What is a Procedural Programming?
2. What do you mean by a program?
3. What is #include?
4. What is header file?
5. When was the C language was invented and by whom?
6. Write the full form of ALGOL & BCPL.
7. What notation is used to depict input/output operations and processing in Flowchart?
8. What are the 2 categories of functions in C?
9. What do you understand by a variable?
10. What do you mean by translator?

Short Questions

(5*4=20)

1. How C language was evolved? Explain.
2. Write any 5 differences between HLL and LLL.
3. What is the importance of C language?
4. Draw the classification diagram of programming languages.
5. Explain Tokens and its types.

Long Questions (Attempt any 2)

(10*2=20)

1. Explain the Structure of a C program.

Or

Write and explain a program to print "Hello BCA Students".

2. Explain problem solving techniques in C.

Or

Write and explain a program to print value of a variable.

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Very short Questions

(10*1=10)

1. What is algorithm?
2. What is a loop?
3. What is #include?
4. What is character array?
5. What goto statement do in a c program?
6. What is break statement?
7. What notation is used to depict input/output operations and processing in Flowchart?
8. What are the 2 categories of functions in C?
9. What do you understand by a constant?
10. What is recursion?

Short Questions

(5*4=20)

1. What are the different type of operators in c?
2. What do you mean by 2-D array? Write the syntax of initializing 2-D array.
3. Explain string handling functions with proper syntax.
4. What is call by value and call by reference in function call?
5. What do you mean by a recursive function? Write its syntax.

Long Questions (Attempt any 2)

(10*2=20)

1. Explain the four types of functions with proper syntax.

Or

Write a program of swapping of two variable using call by reference.

2. Explain function declaration, definition and calling with proper example.

Or

Write a program of recursive function of calculating factorial of a number.