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Test Series

Exam Paper for Function in C

Time: 45 Minutes

Marks : 50

Note: All questions are compulsory

Section A(5*1=5)
MCQ Questions

Ques 1: What is the correct syntax for declaring a function in C?

- a) return_type function_name(parameters);
- b) function_name return_type(parameters);
- c) declare function_name(parameters);
- d) function return_type(parameters);

Ques 2: What is the purpose of the return statement in a function?

- a) To terminate the program
- b) To return a value to the calling function
- c) To print data on screen
- d) To initialize variables

Ques 3: How many values can a function return using the return statement?

- a) 0
- b) 1
- c) 2
- d) Any number

Ques 4: In call by value:

- a) The actual value is passed to the function
- b) The address of the variable is passed
- c) Both actual value and address are passed
- d) None of the above

Ques 5: Every recursive function must have:

- a) A global variable
- b) A base (termination) condition
- c) Multiple parameters
- d) A pointer

Section B(5*5=25)
Descriptive Questions

Ques 6: Differentiate between library functions and user-defined functions with examples?

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- Ques 7: Explain the process of function definition in C with a suitable example.
Ques 8: Differentiate between call by value and call by reference with examples.
Ques 9: Explain the concept of function arguments and parameters with examples.
Ques 10: What is a base condition in recursion? Why is it necessary?

Section C(1*20=20)
Practical Questions

Ques 11:

- (a) Write a program to calculate the area of a circle using a user-defined function in c language. (10 Marks)
- (b) Write a recursive function to find the greatest common divisor (GCD) of two numbers in c Language. (10 Marks)

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