

BCA 06 Programming in C

SET: 1

Section-A

(Very Short Answer Questions)

Very Short Answer Questions

1. (i) Define data types in C.
(ii) State the names of tokens in c.
(iii) Define the role of main function in C program.
(iv) What is importance of typecasting in C?
(v) State the names of logical operators with symbol.
(vi) Define a constant.
(vii) What do mean by decision arguments?
(viii) Define a pointer.
(ix) What do mean by structure?
(x) Define a macro.

Short Answer Questions

2. What do you mean by concept of preprocessor?
3. Describe the theory of storage classes in C.
4. Describe the role and scope of braces in C language.
5. Differentiate the variable and constant.
6. Which operator has highest precedence? Explain this operator usage.
7. What do you mean by enumerated data type?
8. What is the switch...case and where it is used? Also write its syntax.
9. State the differences between structure and union with example.

Long Answer Questions

10. Explain the differences between for, while and do..while loop.
11. Discuss the role of pointer and advantages. Also write a program to swap two number using pointers.
12. Explain dynamic memory allocation with example.
13. Discuss different I/O operations on file.

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Very Short Answer Questions

1. (i) Which function is used to read a character from a file that has been opened in read mode.
- (ii) What do you mean by & and * operator?
- (iii) Define a variable.
- (iv) What do you mean by void pointer?
- (v) Define keyword.
- (vi) What do you mean by array?
- (viii) Define function.
- (viii) State the name of user defined data types.
- (ix) What do you mean by header file?
- (x) What do you mean command line argument?

Short Answer Questions

2. What will happen if break statement is not used in switch..case? Discuss.
3. Differentiate array of structure and array within structure with example.
4. Describe the scope and visibility of variables.
5. State the differences between global and local variables.
6. Describe memory allocation for 2D arrays.
7. What are the differences between header files and library files?
8. What do you understand by macro substitution?
9. What is ferror() function?

Long Answer Questions

10. Explain array with its advantages. Write a program to find maximum value form n values.
11. Explain the process of compilation in context of intermediate code, executable code and object code.
12. Explain malloc() and calloc() function of dynamic memory allocation with example.
13. Discuss fread() and fwrite() function with help of c-program.