




Que-1 (A) Answer the following Questions: [04]

- (1) C Language was designed and written by _____. 
- (2) What is Variable? 
- (3) What is type casting? 
- (4) The format identifier '%d' is also used for _____ data type.

(B) Answer any One in brief: [02]

- (1) What is Keyword?
- (2) Explain C-Character set.

(C) Answer any One: [03]

- (1) Explain Implicit Type Conversion with example.
- (2) Explain Logical Not Operator with example.

(D) Answer any One in detail: [05]

- (1) Explain structure of C Language with example.
- (2) Explain different types of Operators.

Que-2 (A) Answer the following Questions: [04]

- (1) && is _____ Operator.
- (2) _____ is a graphical representation of an algorithm.
- (3) What is flowchart?
- (4) What is Constant?

(B) Answer any One in brief: [02]

- (1) What is typedef Keyword?
- (2) Write down hierarchy of all Operators. 





(C) Answer any One: [03]

- (1) List out variable naming rules.
- (2) Explain any Three Symbols of Flowchart.


(D) Answer any One in detail: [05]

- (1) Explain Primary Data Types in C. 
- (2) Explain Algorithm. 

Que-3 (A) Answer the following Questions: [04]

- (1) Which value is return by conditional operator when condition is false? 
- (2) _____ is used to bring control to the beginning of the loop. 
- (3) Which type of value can be specified in switch expression? 
- (4) _____ is used to transfer control from one statement to another statement. 

(B) Answer any One in brief: [02]

- (1) What is break statement?
- (2) What is ternary operator? 

(C) Answer any One: [03]

- (1) Explain for loop.
- (2) Explain if-else statements.

(D) Answer any One in detail: [05]

- (1) Explain switch...case with example.
- (2) What is entry controlled loop? Explain any one with example.

Que-4 (A) Answer the following Questions: [04]

- (1) List out iterative control statements.
- (2) Conditional Ternary Operator is similar to the _____ statement.
- (3) Continue statement can be placed only _____ statement.
- (4) _____ is also known as exit control loop.

(B) Answer any One in brief: [02]

- (1) What is nested if...else statement?
- (2) What is Continue statement?

(C) Answer any One: [03]

- (1) Explain while loop.
- (2) Explain If...else...Ladder statements.

(D) Answer any One in detail: [05]

- (1) Explain nested looping statement.
- (2) What is exit controlled loop? Explain with example.

Que-5 (A) Answer the following Questions: [04]

- (1) _____ function returns largest integer value.
- (2) sqrt() return _____.
- (3) What is recursion?
- (4) By default user defined function return _____ type value.

(B) Answer any One in brief: [02]

- (1) Explain atol() with example.
- (2) Explain atof() with example.

(C) Answer any One: [03]

- (1) Difference: strcmp() V/S. strncmp().
- (2) Difference: call by value and call by reference.

(D) Answer any One in detail: [05]

- (1) Explain User Defined function.
- (2) What is function? Explain elements of function with example.

Que-6 (A) Answer the following Questions: [04]

- (1) In _____ storage class, the scope of the variable is global.
- (2) A static variable by default gets initialized to _____.
- (3) Which is default value of static storage class?
- (4) rand() generates _____.

(B) Answer any One in brief: [02]

(1) List different types of Storage classes.

(2) Explain pow() function.

(C) Answer any One: [03]

(1) What is pointer? Explain pointer notation.

(2) Explain any one Math function with example.

(D) Answer any One in detail: [05]

(1) Explain external and register storage class with example.

(2) Explain recursion with example.

Que-7 (A) Answer the following Questions: [04]

(1) What is Array?

(2) _____ array is a collection of rows and columns.

(3) Name of array refers _____ address of an array.

(4) String is terminated with a special character of _____.

(B) Answer any One in brief: [02]

(1) What is Union?

(2) What are the slack bytes?

(C) Answer any One: [03]

(1) Explain Structure.

(2) Difference: Structure V/S. Union.

(D) Answer any One in detail: [05]

(1) Write a program to input 5 numbers in Array and print sum of That number.

(2) Explain Two-Dimensional Array with example.

Que-8 (A) Answer the following Questions: [04]

(1) _____ is a collection of items stored at contiguous memory locations.

(2) The name of an array represents _____ of an array.

(3) How many ways to initialize an array?

(4) Which operator is used to access a member element of structure?

(B) Answer any One in brief: [02]

(1) What is Union?

(2) How many ways to initialize a 1-D Array?

(C) Answer any One: [03]

(1) How pointer to array passes to function?

(2) Explain String Array with example.

(D) Answer any One in detail: [05]

(1) How to pass structure into UDF? Explain with example.

(2) Define a structure called stud that describe rollno, name age, Developed a program to read data for 5 students in a class and print.

Que-9 (A) Answer the following Questions: [04]

- (1) _____ is used to allocate memory dynamically.
- (2) `ftell()` return _____.
- (3) `argc` used for _____.
- (4) Give the syntax of `fprintf()`.

(B) Answer any One in brief: [02]

- (1) Explain `fgetpos()`.
- (2) What is file? Explain `fopen()` with example.

(C) Answer any One: [03]

- (1) Explain `rewind()` function.
- (2) Write note on file opening mode available in C.

(D) Answer any One in detail: [05]

- (1) Explain Command Line Argument.
- (2) Write a program to copy contents of one file to another.

Que-10 (A) Answer the following Questions: [04]

- (1) _____ Function is used to read single character from file.
- (2) `FILE` is a _____ data type.
- (3) _____ Function deletes the given filename so that it is No longer accessible.
- (4) _____ Function is used to move file pointer position to The given location.

(B) Answer any One in brief: [02]

- (1) Explain `sprintf()`.
- (2) Explain Pointer to Pointer.

(C) Answer any One: [03]

- (1) Explain `fseek()`, `feof()` with example
- (2) Explain Pointer within Array.

(D) Answer any One in detail: [05]

- (1) Explain any two file handling functions with syntax and example.
- (2) Write a program to write and read student rollno, name into text file.