

- Q.27 What is the difference between the local variable and global variable in C.

Q.28 Write a program to print the first 10 Fibonacci numbers.

Q.29 Difference between getc(), getchar(), getch() and getche().

Q.30 What is the difference between puts () and printf()?

Q.31 What are the key features in the C programming language?

Q.32 Write a program to check if a given number is prime or Not.

Q.33 What is

 1. Array in C?
 2. Pointer in C?

Q.34 What is the syntax of switch statement?

Q.35 What are the different errors that can be occurred in C program?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Explain the use of function toupper () with an example code?

Q.37 What are loop construct? Discuss various loop constructs used in C?

Q.38 Write a C program to find the subtraction of two 3x3 matrix?

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4th Sem / Eltx, EI, IC, Med. Eltx, GE, Power Eltx
Subject:- Computer Programming and Applications

Time : 3Hrs.

M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Two basic types of memory in a computer are _____

 - Primary and major
 - Primary and secondary
 - Minor and Major
 - Main and Virtual

Q.2 Any electronic holding place where data can be stored and retrieved later whenever required is _____

 - Memory
 - drive
 - disk
 - circuit

Q.3 A Database Management System is a type of _____ software.

 - It is a type of system software
 - It is a kind of application software
 - It is a kind of general software
 - Both A and C

Q.4 How many spaces a Tab has in C.

 - 8
 - 9
 - 7
 - 6

- Q.5 Which of the following cannot be a variable name in C?
a) volatile b) true
c) friend d) export
- Q.6 What is the following is invalid header file in C?
a) Math.h b) Mathio.h
c) String.h d) Ctype.h
- Q.7 What symbol ends a statement in C program?
a) ;(Semicolon) b) .(full stop)
c) :(colon) d) } (Curly braces)
- Q.8 Which operator if used to compare two values?
a) Logical operator b) Relational operator
c) Assignment operator d) None of these
- Q.9 Any C program
a) Must contain at least one function
b) Need not contain any function
c) Needs input data
d) None of the above
- Q.10 What is the maximum number of dimensions of an array?
a) 4
b) 5
c) 2
d) Theoretically no limit. The only practical limits are memory size and compilers

SECTION-B

- Note:** Objective type questions. All questions are compulsory. (10x1=10)
- Q.11 What is the size of (char) in a 32-bit C compilers?
Q.12 DCS is a _____
Q.13 Scanf () is a predefined function in _____ header file.
Q.14 How an array initialized in C language?
Q.15 A pointer is _____
Q.16 What is an identifier?
Q.17 What is recursion?
Q.18 Library function getch () belongs to which header file?
Q.19 What is the break statement in C?
Q.20 What is a Union?

SECTION-C

- Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)
- Q.21 Distinguish between the source code and object code in C.
Q.22 What is a macro in C?
Q.23 Difference between while and do-while loop.
Q.24 Name some of the commonly used built-in functions.
Q.25 What is the difference between struct and union?
Q.26 Write a program to find the factorial of a given number.