

(e) Which of the following cannot be checked in a switch-case statement?

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|---------------|--------------|
| (I) Character | (II) Integer |
| (III) FLoat | (IV) Enum |

(f) Which of the following is the correct usage of conditional operators used in C?

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|--|---|
| (I) $a > b ? c = 30 : c = 40;$ | (II) $a > b ? c = 30;$ |
| (III) $\max = a > b ? a > c ? a : b > c ? b : c$ | (IV) $\text{return } (a > b) ? (a : b)$ |

(g) Which of the following are unary operators in C?

1. $!$
2. *sizeof*
3. \sim
4. $\&\&$

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|------------|--------------|
| (I) 1, 2 | (II) 1, 3 |
| (III) 2, 4 | (IV) 1, 2, 3 |

(h) Input/output function prototypes and macros are defined in which header file?

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|---------------|---------------|
| (I) conio.h | (II) stdlib.h |
| (III) stdio.h | (IV) dos.h |

(i) What is stderr?

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|------------------------------|---------------------------------|
| (I) Standard error | (II) Standard error types |
| (III) Standard error streams | (IV) Standard error definitions |

(j) What is the purpose of fflush() function?

- (I) Flushes all streams and specified streams
- (II) Flushes only specified streams
- (III) Flushes input/output buffer
- (IV) Flushes file buffer

Group - B

2. Answer any three of the following:

4*3=12

(a) What do you mean by function? How we can use the user defined functions?

(b) What is a storage class? Discuss the various storage classes.

- (c) What is an array? What is 2-dimensional array? How 2-dimensional arrays are initialized? Also explain how array elements are accessed in a 2-dimensional array? give explanation with example.
- (d) What do you mean by the user defined data types? Give some differences between structure and union.
- (e) Write the difference between functions and macros.

Group - C

Answer any three of the following:

12*3=36

- 3.** How we open and close an existing file in C? Also discuss the various modes to open a file.
- 4.** Write a program to check whether the number is prime or Armstrong with the help of user defined functions.
- 5.** Give the advantage of array using pointers. Write a program to access element of an array by using pointers.
- 6.** What is an operator? What are different types of operators? Discuss the various operators available in C
- 7.** What do you mean by a recursion? Write a program to print a Fibonacci series using recursion up to 1000 numbers.

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