

Day : Friday
Date : 12/10/2018

W-2018-0895

Time : 11.00 AM TO 02.00 PM
Max. Marks :60

N. B. :

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
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Q.1 A] Select the **CORRECT** alternative and rewrite the sentence: **(06)**

- i) The range for integer constants is _____.
a) -367 to 368 b) -32767 to 32768
c) -32668 to 32667 d) None of these
- ii) C programs are converted into machine language with the help of _____.
a) an editor b) a compiler c) an operating system d) none of these
- iii) C was primarily developed as a _____ language.
a) system programming b) general purpose
c) data processing d) None of these
- iv) The sizeof operator when used with float data type returns _____ bytes.
a)16 b) 2 c) 4 d) 8
- v) _____ is not a relational operator .
a) && b) < c) > d) <>
- vi) _____ is not a reserved word.
a) auto b) static c) main d) add

Q.1 B] Answer in **ONE** sentence: **(06)**

- i) What is conditional operator?
- ii) What is the purpose of break statement?
- iii) What is #define?
- iv) Give syntax of simple if statement.
- v) List various relational operators.
- vi) Define pointer.

P.T.O.

Q.2 Answer **ANY THREE** of the following: (12)

- a) Differentiate between high level and low level languages.
- b) What is meant by header files? List any four of them.
- c) Write C program to swap two variables using call by reference.
- d) Write C program to check whether given nonzero number is positive or negative.

Q.3 Answer **ANY FOUR** of the following: (12)

- a) State features of C programming language.
- b) What is Recursion? Write recursive function to find factorial of a number.
- c) Explain for loop with syntax and example.
- d) Write a C program to calculate simple interest.
- e) Write short note on structured programming.

Q.4 Answer **ANY TWO** of the following: (12)

- a) Write a C program to print maximum of three numbers using function.
- b) Write a C program to print first 10 terms of Fibonacci series.
- c) Explain various memory allocation methods.

Q.5 Answer **ANY TWO** of the following: (12)

- a) Write a C program to find roots of a quadratic equation $Ax^2+Bx+C=0$.
- b) Write a note on storage classes.
- c) What is function? Write a C program to find square of a number using function.

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