SUMMATIVE ASSESSMENT – FIRST TERM

COMPUTER SCIENCE   Max. Marks: 50

Std - VIII   Time: 2 Hrs

I. Choose the correct answer: 5 x 1 = 5

1. The static keyword is used to declare _____ type of variable.

   a) stat   b) static   c) keyword   d) constant

2. Which of these is the correct name for a variable? _____

   a) Int 1 var   b) Char else;   c) Int my var   d) int count

3. Base _____ is used in the hexadecimal number system.

   a) 2   b) 8   c) 16   d) 10

4. MSB Stands for _____.

   a) Most significant bit   b) Merit significant bit

   c) Most sign bit   d) Most significant byte

5. To declare a constant, the _____ keyword is used.

   a) const   b) cont   c) constant   d) variable

II. Match the following: 5 x 1 = 5

6. Conio. H   -   This header file contains all the general library functions like malloc ( ), calloc ( ), exit, etc.

7. String. H   -   This header file contains all the math operation related functions like sqrt ( ), pow ( ), etc.

8. Stdio. H   -   This is a console input/output header file.

9. Math h   -   This is a standard input/output header file. It contains all the library functions regarding standard input/output

10. Stdlib h   -   It contains all string related library functions like gets ( ), puts ( ), etc

III. Solve the following: 4 x 2 = 8

11. Convert the following binary numbers into hexadecimal numbers.

    i) $(11010)_2$ ii) $(111)_2$

12. Subtract binary numbers.

    $(1101)_2 - (1010) = ?$

13. Convert the following decimal numbers into binary numbers.

i) $(32)_{10}$ ii) $(65)_{10}$

14. Add binary numbers.

$(1011001)_1 + (110011)_2 = ?$

IV. Answer the following: (Any 5)   5 x 2 = 10

15. Define LSB and MSB.

16. Define function in C.

17. What is a bit?

18. What are constants?

19. List out the various kinds of number system.

20. How do you declare a function in C?

21. Define variables in C.

V. Answer in detail: (Any 3)   3 x 4 = 12

22. Explain the different types of variables in C.

23. List and define the different number systems.

24. Write a C program to find the difference of two numbers.

25. Write down the important things to remember about function in C.

VI. Write a given C program: (Any 2)   2 x 5 = 10

26. Write a program in C to find if a given number is even or odd.

27. Write a C program to get two numbers from the user and display the numbers by adding and subtracting 20 and 30 from them.

28. Write a C program to get two number as input, perform all arithmetic operations on the entered numbers and display the output.