2016

COMPUTER SCIENCE AND TECHNOLOGY

CSIT 2.6

COMPUTER FUNDAMENTS AND PROGRAMMING IN C

Full Mark : 40

Time : $1^1/_2$ Hrs

Figures in the right hand margin indicate full marks for the question

Answer the following:

1. Discuss the different generations of computer.   8

2. Define AND, OR, NAND gates.   4

3. Convert the decimal $(223)_{10}$ to binary and hexadecimal.   4

4. Find 2's complement of a binary number $(-10)_2$.   4

5. What is an identifier? What are the rules that should be followed when an identifier is named?   4

6. What are keywords and variables? How are variables declared?   4

7. What are assemblers and compilers?   2

8. Answer any two.   5x2=10

    a. Write a C program to find the sum and product of two numbers.

    b. What is if-else statement? Write a C program using the if-else statement.

    c. What is for loop? Write a C program using for loop.