MODEL PAPER COMPUTER SCIENCE CLASS 10

NOTE: Attempt all questions of Section-A by filling the corresponding bubble on the **MCQs RESPONSE SHEET.** It is mandatory to return the attempted MCQs sheet to the Superintended within given time.

Section-A

Time: 15 Minutes **Marks:** 11

1. In flowchart, process symbol is:

   a) Oval b) Parallelogram c) Rectangle d) Diamond

2. A computer can understand the instruction given to it in:

   a) High level language b) Low level language c) Second language d) English language

3. A type of language in which instructions are used in binary form is?

   a) Machine language b) Assembly language c) High level language d) English language

4. A predefined standard library function file is:

   a) Linker b) Compiler c) Debugger d) Header

5. A Syntax for input function in C language is:

   a) Scanf() b) Printf() c) Puts() d) Void main()

6. In arithmetic operators, Modulus symbol is:

   a) **/** b) **** c) % d) &

7. A decision statement is:

   a) Scan b) if c) print d) puts

8. A sequence of instruction that is continually repeated until a certain condition is reached is:

   a) Run b) print c) Loop d) decision

9. Basic logic gates are:

   a) IF, THEN, ELSE b) for, while ,do-while c) scan ,print, puts d) AND ,OR ,NOT

10. Total number of variables in K-Map is mathematically expressed as:

    a) $2n^2$ b) n^2 c) 2n d) 2^n

11. An internet address URL stands for:

    a) urgent resource locator b) uniform resource locator c) unknown resource location d) uniform source location

Section-B

Time: 2 Hours 15 Minutes **Marks:** 28

1. Attempt Any Seven of the following Short Questions. Each Question Carries 4 marks.

    i. Draw a flow chart of finding average of three numbers.
    ii. Explain the following two types of low-level language.
        a) Machine language b) Assembly language.
    iii. Describe OOP language with examples.
    iv. Write a program to calculate sum and product of 10 and 20.
    v. Solving Arithmetic operator when A=24 and B=5, Find value of A%B.
    vi. Explain Switch statement.
    vii. What is for Loop? how it works?
    viii. Write four properties of truth table.
    ix. What is internet, write one difference between webpage, web browser and web server.

Section-C

Marks: 16

Note: - Attempt any two of the following long questions.

2. What is integrated development Environment (IDE) in programming? Write detail of five modules of C programming Environment.
3. Write a Program in C to convert Fahrenheit to centigrade temperature.
4. Write a program in C to find the factorial of a number.