1st Sem / Artificial Intelligence & Machine Learning

Subject : Programming Through C

Time : 3 Hrs.   M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (6x1=6)

Q.1   Which symbol is used to declare a pointer type variable

a)   &   b)   *

c)   @   d)   #

Q.2   How many operands does a unary operator has

a)   1   b)   4

c)   8   d)   2

Q.3   How many bytes of memory does a character data type takes for storage.

a)   1   b)   4

c)   8   d)   2

Q.4   & & is a _____ operator

a)   Arithmetic   b)   Decrement

c)   Relational   d)   Logical

Q.5   Every statement in C language should end with a ?

a)   Dot   b)   Comma

c)   Semicolon   d)   colon

Q.6   Increment operator, ++, increases value of variable by what number

a)   2   b)   4

c)   1   d)   10

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory.   (6x1=6)

Q.7   Which symbol is used to assign a value to a variable

Q.8   Define Union

Q.9   Array is a collection of data elements of different data types (True/False)

Q.10 In which year C was developed.

Q.11 Define Pointer

Q.12 Define Flowchart

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions.   (8x4=32)

Q.13 Explain various symbols used in flowchart

Q.14 Define Array. How it is declared.

Q.15 Explain output statement available in C

Q.16 Difference between structure & union

Q.17 Define String. Write any two string related functions

Q.18 Explain Switch Statement

Q.19 Explain arithmetical & logical operators used in C

Q.20 Write a program to print factorial of 5

Q.21 How a Pointer is declared

Q.22 Explain if statement with example.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions.   (2x8=16)

Q.23 Explain various steps in development of a program.

Q.24 Difference between while loop, do-while loop & for loop

Q.25 Define function. Explain its types. How a user defined function is created. Explain with example