1st / 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 access specifier is used to indicate integar data type ?

   a)   %d   b)   %c

   c)   %f   d)   %i

Q.2   How many bytes of memory does a float data type takes for storage?

   a)   2   b)   4

   c)   8   d)   1

Q.3   How many keywords are available in C

   a)   16   b)   8

   c)   32   d)   64

Q.4   = is a _____ operator

   a)   Assignment   b)   Arithmetical

   c)   Relational   d)   Logical

Q.5 Output of 10%2 is

   a) 5   b) 2

   c) 1   d) 0

Q.6 ++ is a _____ operator

   a) Arithmetic   b) unary

   c) Binary   d) Relational

SECTION-B

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

Q.7 Who developed C

Q.8 Which symbol is used to assign a value to a variable

Q.9 How a pointer is declared in C

Q.10 Define Algorithm

Q.11 Define Variable

Q.12 Name any two Header Files

SECTION-C

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

Q.13 Write the steps in development of a program.

Q.14 Difference between structure & Union.

Q.15 Define Function. Explain its types.

Q.16 Draw a flowchart to find the greatest of two numbers

Q.17 Write a program to print factorial of a number.

Q.18 Explain if-else statement

Q.19 Difference between call by value & call by reference

Q.20 Define String. Explain any two string related functions.

Q.21 Write an algorithm to find area of rectangle

Q.22 Explain input statement used in C

SECTION-D

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

Q.23 Explain various Loops available in C

Q.24 Define array. Explain various types of array

Q.25 Explain various data types available in C