1st Sem.

Branch: Artificial Intelligence & Machine Learning

Sub : Programming Through C

Time : 3 Hrs.   M.M. : 60

SECTION-A

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

Q.1   Decrement operator , - , decrease value of variable by what number

     a)   2   b)   3

     c)   0   d)   1

Q.2   Every statement in C language should end with a?

     a)   Dot   b)   Comma

     c)   Semicolon   d)   Colon

Q.3   In which year C was developed

     a)   1972   b)   1986

     c)   1995   d)   2001

Q.4   ++ is a _____ operator.

     a)   Arithmetic   b)   Unary

     c)   Relational   d)   Logical

Q.5 Which access specifier is used to indicate float data type

a) %d   b) %c

c) %f   d) %s

Q.6 What is the extension of C file:

a) .c   b) .java

c) .txt   d) .class

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

Q.9 Name any two Header Files.

Q.10 Which symbol is used to declare a pointer type variable.

Q.11 Who developed C.

Q.12 Define Algorithm.

SECTION-C

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

Q.13 Define String. Write any two string related functions.

Q.14 Difference between while loop & for loop.

Q.15 Define Array. Explain its various types.

Q.16 Difference between structure & union.

Q17 Define flowchart. Explain various symbols used in flowchart.

Q.18 Explain if statement with example.

Q.19 Explain Switch Statement.

Q.20 Write a program to print factorial of a number.

Q.21 Explain Input/Ourput statement available in C.

Q.22 Explain For Loop 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 Explain various operators available in C.

Q.25 Define function. Explain its types with example.