Sem. 1 NEP

Diploma in AI & ML

Sub : Programming Through C

Time : 3 Hrs.   M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory.   (6x1=6)

Q.1   In C code, the line that beging with/* and ends with */ is knows as?

a)   Multiline comment   b)   Single line comment

c)   Both A & B   d)   None of these

Q.2.   Who developed C programming Language?

a)   James Gosling   b)   M P Java

c)   Dennis Ritchie   d)   Blasic Pascal

Q.3   Which symbol is used to assign a value to a variable

a)   =   b)   ; (Semicolon)

c)   /   d)   . (dot)

Q.4   <= is a _____ operator

a)   Arithmetic   b)   Unary

c)   Relational   d)   Logical

Q.5   - is a _____ operator

a) Arithmetic   b) Unary

c) Binary   d) Relational

Q.6 Every statement in C language should end with a?

a) Dot   b) Comma

c) Semicolon   d) Colon

Section-B

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

Q.7 In which year C was developed.

Q.8 What is the purpose of break statement.

Q.9 How many keywords are available in C.

Q.10 Which access specifier is used to indicate integer data type.

Q.11 Define Constant.

Q.12 How many bytes of memory does a character data type takes for storage.

Section-C

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

Q.13 Explain input / Output statement available in C.

Q.14 Define Algorithm. Write an algorithm to add three numbers.

Q.15 difference between call by value & call by reference.

Q.16 Define String - Explain any two string related functions.

Q.17 Define flowchart. Explain various symbols used in flowchart.

Q.18 Define Function. How a user defined function is created and accessed.

Q.19 Explain various data types available in C.

Q.20 Define Array. Explain various types pf Array.

Q.21 Explain Arithmetic & Relational operators.

Q.22 Explain Switch statement with example.

Section-D

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

Q.23 Explain various Loops available in C.

Q.24 Difference between Structure & Union.

Q.25 Explain steps in development of a program.