Programming in C - 2013

Note: Attempt all questions.

(Objective Type Questions)

Q.1.

(a) Integer reserve _____ bytes of space in memory.

    (i) 2   (ii) 4   (iii) 8   (iv) None

(b) Pictorial representation of a program is called _____ .

    (i) Algorithm   (ii) Program

    (iii) Flowchart   (iv) None

(c) C uses _____ to convert program into machine codes.

    (i) Compiler   (ii) Interpreter

    (iii) Assembler   (iv) None

(d) Switch is a _____ structure.

    (i) Case control   (ii) Decision control

    (iii) Loop   (iv) None

(e) 'OR' is a _____ operator.

    (i) Logical   (ii) Relational

    (iii) Arithmetic   (iv) None

(f) '+' and '−' is having _____ precedence.

    (i) Same   (ii) Not same

    (iii) higher   (iv) None

(g) _____ loop seen atleast once before terminating

    (i) While   (ii) For   (iii) dowhile   (iv) None

(h) Pointer variable store _____ of a variable

    (i) Address   (ii) Value   (iii) Location   (iv) None

(i) Two function with same name can be _____ in 'C'.

    (i) defined   (ii) Notdefined

    (iii) Cann't say   (iv) None

(j) Function call by address is _____ .

    (i) Call by value   (ii) Call by reference

    (iii) Prototype   (iv) None

(k) _____ is the user define data type.

    (i) Structure   (ii) int   (iii) float   (iv) None

(l) "Void" in function means _____ value

    (i) Integer   (ii) Null   (iii) Character   (iv) None

(m) Character' reserve _____ space in memory.

    (i) 1 byte   (ii) 2 byte   (iii) 4 byte   (iv) None

(n) + +i and i = i+1 are _____ expression.

    (i) same   (ii) different

    (iii) Can'nt say   (iv) None

(o) Function must have _____

    (i) return type   (ii) Number of arguments

    (iii) Both a and b   (iv) None

(Short answer type questions)

Q.2. What is Algorithm? Explain with example.

Or What are keywords? What are the various application of keywords in 'C' program.

Q.3. Write a program to explain use of Goto statement?

Or What are decision control statement? Explain with an example.

Q.4. Write a program to print 1 to 20 using for loop?

Or What are the basic difference between while and dowhile?

Q.5. What is a function? What is call by value explain with example.

Or Write and explain function declaration and prototype?

Q.6. How structure can be declared? Explain with example?

Or What is array of structure?

(Long Answer Type Questions)

Q.7. Explain various data types used in 'C' program?

Or Write algorithm and flowchart to find average and percentage of five numbers?

Q.8. What is in crement operator? Explain with an example.

Or How decision control structure is different from case control structure?

Q.9. How logical operator are different from relational operator?

Or Write difference between Break and continue statement?

Q.10. How passing by value is different from passing by reference in function.

Or What is 3D array? Write a program to explain use of 3D array.

Q.11. Write difference between structure and union? Explain also.

Or How structure elements are stored. Explain with an example.