Model Paper II

BCA I Year
Subject: Principle of Programming Language (BCA 104)

Time: 3 hrs   **M.M:100**

I) **Very Short Answer Questions (each carry 2 marks)**   2*10=20

Q1. Explain various properties of algorithm?

Q2. Define break and continue statement?

Q3. Explain comma and conditional operator in 'C'?

Q4. Define type conversion with suitable example?

Q5. Differentiate do….while and while loop?

Q6. Write down various properties of static storage class?

Q7. Write down various advantages of 'C'?

Q8 Explain various types of tokens which are used in programming?

Q9. Compare arguments and parameters with example?

Q10. Define scope and lifetime of variable?

II)   **Short Answer Questions** (**each carry 4 marks**)   4*5=20

Q1. Define array? Also explain various types of am

Q2. What are the different types of functions?

Q3. What do you mean by Pointers? Define constant pointer and pointer to constant?

Q4. Explain recursion with suitable example?

Q5. What do you mean by structure with suitable example?

III)   **Long Answer Questions(any five each carry 12 marks)**   5*12=60

Q1. Compare unary, binary and ternary operators with example?

Q2. What is pointer? How it is declared and initialized? Explain the difference between 'call by Value' and 'call by reference'. Also define which one is more useful?

Q3.Why we use structures? How we can declare it? How structure elements are stored? Also explain uses of structure?

Q4. Create a structure Name, Department, Course, Year of passing, Year of Joining.

.   Assume that there are not more than 50 students.

Q5.Define strings? Also explain various strings functions with suitable example?

Q6.Define the following terms:

(a)Tokens   (b) union   (C) Two dimensional array

(d)Parameter passing   (e) if….else statement   (f) Pseudo code