

2316

100

**Class--BCA/B.Sc (IT)-II Sem.**  
**Subject – C Programming Part-II**

Time Allowed : 3 Hours

Maximum Marks :75

**Section – A**

Attempt any Five. All questions carry equal marks.

1. (a) Differentiate between Automatic, Static and External Storage Class Variables. 7
- (b) Define the term scope of a variable. What are the different types of scope used in C? Explain with example. 8
2. (a) What are string handling functions? Explain with complete syntax and example. 7
- (b) W.A.P. to reverse a string without using string handling functions. 8
3. (a) How does structure differ from union? Explain. 15
4. (a) What is a structure? Explain the difference between a structure and an array. How are individual members of a structure are accessed? 7
- (b) W.A.P. in C that inputs data about 25 students of class (rollno, name, marks obtained in 5 papers) and print those. 8
5. (a) W.A.P. to show how pointers can be passed as arguments to a function? 10
- (b) What are Self Referential Structures? Explain. 5

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6. What do you mean by Pointers in C? How can you access array elements using pointers? Explain with example. 15

7. (a) Write a short note on Pointer to pointer. 8
- (b) What is the difference between static and dynamic memory allocation in C? Explain. 7
8. (a) Explain Pointer Arithmetic with example. 7
- (b) Differentiate between array of structures and array within structure. 8

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