2009-ACHARYA NAGARJUNA UNIVERSITY B.TECH II SEMESTER DEGREE EXAMINATION C&DATA STRUCTURES

FEBRUARY-2009

TIME-3HOUR MARKS-80

ANSWER ALL QUESTIONS

PART A [10*2=20 MARKS]

- a. What is an array/
- bserver.com b. Distinguish between user defined function and library functions.
- c. What is meant by storage class?
- d. Define array of pointers.
- e. Distinguish between structures adn unions.
- f. Write operations of opening and closing a file.
- g. What is a binary search?
- h. What is a data structur?
- i. What is a sparse matrix?
- j. Define priority queue.

PART B [4*15=60 MARKS]

- 1. a. What are different string handling functions. Explain in detail.
- b. What are different types of arrays? Explain with example.

(or)

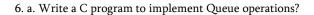
- 2. a. What is a function? Explain how parameters are passed in a function?
- b. Write a C program for Towers-of-Hanoi?
- 3. a. What is a Union? Write a C program using union?
- b. What is a C program for Binary search?

(or)

- 4. a. What is a structur? Write a C program using structure.
- b. Explain various I/O operations of files.
- 5. a. Write a C program to implement stack operation?

b. What is circular double linked list? Write the operation on Circular double Linked List?

(or)



b. Explain CPU scheduling in multiprogramming environment?

Education of service and the service of the service 7. a. What is a Binary tree? Explain various operations on binary tree?

b. Write a C program to implement Merge Sort?

8. a. Explain various types of Binary trees.

b. Write a C program for Postfix Expression Evaluation?