



# ADITYA DEGREE COLLEGE, KAKINADA

## PRIFINAL EXAMINATIONS

### II Sem III B.Sc - PROGRAMMING IN 'C'

#### COMPUTER SCIENCE

Marks : 75M

Time : 3 hr

Dt : 27-03.2020

#### SECTION-A

**I. Answer any FIVE Questions from the following:** (5 x5 = 25)

1. Write about compiler and interpreter?
2. Write about break, goto statement with syntax and example ?
3. Write a program to find greatest number of given 'n' numbers using arrays?
4. Explain about pointer and arrays ?
5. How to write data from files with example?
6. Difference between structure and union?
7. Write the features of C Programming Languages.
8. Write about enumerated data types?

#### SECTION-B

**II. Answer ALL Questions.** (5 x10 = 50)

9. a) Explain about various generations of programming languages  
(Or)  
b) Write about difference types of input and output functons used in 'C'
10. a) Write a C Program to calculate the sum of digits of the given number 'n'  
(Or)  
b) Write about decision making statements .
11. a) What is an array ? Explain different types of arrays with examples.  
(Or)  
b) What is a string ? Explain various string handling functions available in 'C'
12. a) Define and use of a pointer and write a 'C' program on swapping of two numbers using pointers  
(Or)  
b) Explain about Structures and unions with syntax and examples in detail ?
13. a) Explain about file operations in detail ?  
(Or)  
b) Explain about Error handling during file operations ?