

KANDI RAJ COLLEGE

**BSC SEM V [GEN]
(COMPUTER SCIENCE)**

TIME -60 minutes

**PRACTICAL EXAM [UG-G-DSE-P-501A] 2021
ANALYSIS OF ALGORITHMS AND DATA STRUCTURES [DSE-1A]**

Full Marks : 20[Experiment(s): 10; Notebook: 5; Viva: 5]

ANSWER ANY ONE QUESTION:

(1x10=10)

1. Write a program in C to find out whether a matrix is symmetric or not.
2. Write a program that implements linked list .
3. Write a C program which implement Bubble sort [Arrange Few numbers in ascending order].
4. Write a program in C which implements PUSH and POP operations.

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TIME -60 minutes

**PRACTICAL EXAM [UG-G-SEC-P-503] 2021
PROGRAMMING IN VISUAL BASIC**

This paper is only for those students who opted programming in Visual Basic as SEC paper for 5th Semester

Full Marks : 40[Experiment(s): 2; Viva: 10]

ANSWER ANY THREE QUESTIONS:

(3x10=30)

1. Write a program in VB to check a number whether it is a Prime Number or not?
2. Write a program in VB to check a number whether it is a Armstrong number or not?
3. Write a program in VB to find out factorial of a positive number .
4. Design a VB Program for a menu editor .
5. Write a program in VB to create a sample calculator .
6. Write a program in VB to generate the following series
0 1 1 2 3 5 8 13
7. Write a program in VB to find the sum of any five numbers.
8. Write a VB application to show timer.
