

KANDI RAJ COLLEGE  
BSC SEM V [GEN](COMPUTER SCIENCE)  
INTERNAL EXAM [UG-G-DSE-L-501A]  
ANALYSIS OF ALGORITHMS AND DATA STRUCTURES [DSE-1A]/[NEW SYLLABUS ]

---

TIME -40 minutes

ANSWER ANY TWO QUESTIONS:

(2X5=10)

1. What is an algorithm? Define Data Structure. Write down the major operations of Data Structure.
2. Explain Bubble sort by means of an example. Write down the algorithm of Bubble sort.
3. Explain Stack and Queue by means of examples
4. What is Linked List? Write down the algorithm for traversing a linked list.
5. Write down the Procedure for PUSH and POP operations.

KANDI RAJ COLLEGE  
BSC SEM V [GEN](COMPUTER SCIENCE)  
INTERNAL EXAM [UG-G-SEC-P-503]  
PROGRAMMING IN VISUAL BASIC]/[NEW SYLLABUS ]

TIME -20 minutes

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

---

ANSWER ANY ONE QUESTION:

(1X5=5)

1. What do you mean by Interpreter? What is Visual Basic? Write a program in VB to find out factorial of a positive number.
2. What do you mean by debugging? Differentiate between interpreter and compiler. Write a program in VB to check a number whether it is a Armstrong number or not?