

Bachelors of Science

SEM I

Journal

Roll No.	001
Name	Alston Alvares
Subject	Programming principles with C.

ANANDIBAI DAMODAR KALE
SHAIKSHANIK SANSTHA'S DEGREE



ANANDIBAI DAMODAR KALE
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ISO 9001: 2008 Certified

CERTIFICATE

This is here to certify that Mr/Ms. Alston
Alvares, Seat Number 001 of B.Sc. IT, has
satisfactorily completed the required number of
experiments prescribed by the **ANANDIBAI**
DAMODAR KALE DEGREE COLLEGE
AFFILIATED TO UNIVERSITY OF
MUMBAI during the academic year 2022 - 2023.

Date: 30-09-2022

Place: Mumbai

Teacher In-Charge

Head of Department

External Examiner

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Sr. No.	Experiments	Page No	Date	Sign
1	a. Write an algorithm and draw flowchart for Area of circle. b. Write an algorithm and draw flowchart to print the given no. is even or odd. c. Write an algorithm and draw flowchart to print 1 to 10 numbers. d. Write an algorithm and draw flowchart for sum of 1 to 5 numbers. e. Write an algorithm and draw flowchart to compute the addition of digits of a given number.	01-05		
2	a. Write a program using while loop to reverse the digits of a number. b. Write a program to calculate the factorial of a given number. c. Write a program to find the roots of quadratic equation. d. Write a program to print the Fibonacci series.	06-12		
3	a. Write a program in C to check entered character vowel or consonant b. Write a program to C program to print day name of week using switch-case. c. Write a program to read three values from keyboard and print out the largest of them without using if statement.	13-17		

4	<p>a. Write a program to print the pattern of asterisks as shown below:</p> <pre> * * * * * * * * * * </pre> <p>b. Write a program to print the pattern of asterisks as shown below:</p> <pre> * * * * * * * * * * * * * * * * * * </pre> <p>c. Write a program to print Floyd's Triangle.</p>	18-21		
5	<p>a. Write a program to print area of square using function.</p> <p>b. Write a program using recursive function.</p> <p>c. Write a program to square root, abs() value using function.</p> <p>d. Write a program using goto statement.</p>	22-27		
6	<p>a. Write a program to print rollno and names of 10 students using array.</p> <p>b. Write a program to read a matrix of size m*n.</p> <p>c. Write a program to sort the elements of array in ascending or descending order.</p>	28-35		

7	<p>a. Write a program to extract the portion of a character string and print the extracted part.</p> <p>b. Write a program to find the given string is palindrome or not.</p> <p>c. Write a program to using strlen(), strcmp() function.</p>	36-40		
8	<p>a. Write a program to display the values using different data types and its address using pointer.</p> <p>b. Write a program to perform addition and subtraction using pointer.</p>	41-44		
9	<p>a. Write a program to copy the contents of the file from one file into other.</p> <p>b. Write a program to print the structure using • Title • Author • Subject • Book ID Print the details of two students.</p>	45-48		
10	<p>a. Create a mini project on "Bank management system". The program should be menu driven.</p>	49-52		

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