

# **Bachelors of Science**

## **SEM I**

### **Journal**

<b>Roll No.</b>	13
<b>Name</b>	Khushi Tiwari
<b>Subject</b>	Programming principles with C.

ANANDIBAI DAMODAR KALE  
SHAIKSHANIK SANSTHA'S DEGREE



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## CERTIFICATE

This is here to certify that Mr/Ms. Khushi Tiwari,  
Seat Number 013 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:

Place: Mumbai

Teacher In-Charge

Head of Department

External Examiner

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

<b>7</b>	<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		
<b>8</b>	<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		
<b>9</b>	<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		
<b>10</b>	Create a mini project on "Bank management system". The program should be menu driven.	49-52		

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