S.no	Program name	Page no	Signature
1	Program 01: write a c++ program to get the size of different type of datatypes.	1	
02	Program 02: write a c++ program to perform arithmetic operations using arithmetic operators.	2	
03	Program 03: write a c++ program to demonstrate the different types of relational operators.	3	
04	Program 04: write a c++ program to demonstrate the logical operators(&&,  ,!).	4	
05	Program 05: write a c++ program to demonstrate the bitwise operators.	5	
06	Program 06: write a c++ program to read radius of a circle, calculate area and perimeter and display them.(using const constant).	6	
07	Program 07: write a c++ program for assuming that res starts with the value 25 and p with 3,so print the following code:-	7	
08	Program 08: write a c++ program to input number of week's day(1-7) and translate to its equivalent name of the day of the week using switch case.	8	
09	Program 09: write a c++ program to make basic calculator using switch case.	9	
10	Program 10: write a c++ program to find largest number among three numbers using ternary operator.	10	
11	Program 11: write a c++ program using for loop to print numbers from 1 to 10.	11	
12	Program 12: write a c++ program to display 2,4,6,8,18,20 using while loop.	12	
13	Program 13 : write a c++ program to print following patterns  **** b) * c) 1 d) *  *** 12 **  ** 123 ***  * *** 1 2 3 4 ****	13-14	
14	Program 14: write a c++ program to display the cube of the number up to an integer.	15	
15	Program 15: write a c++ program to check for equality of two numbers without using arithmetic or comparison operator.	16	

16	Program 16: write a c++ program to calculate value of 132 x 8 without using "*" operator	17	
17	Program 17: write a c++ program to find area of rectangle (using #define).	18	
18	Program 18: write a c++ program to demonstrate	19	
	explicitly typecasting		
19	Program 19: write a c++ program to display addition	20	
	of first 1 to 20 odd numbers and also display addition		
	of first 1 to 20 even numbers.		
20	Program 20: write a c++ program for a given	21	
	problem – where age will be taken as input by the		
	user and if age is greater than 18 and gender is		
	"male(m/m)" than print message to send him to		
	"room number 10" for voting and if gender is		
	"female(f/f)" than print message to send her to "room		
	number 12", if gender is none of these two than send		
	them to "room number 8".also given message "not		
	eligible for voting" in case of age is less than		
0.1	18.(using nested if control structure)	22	
21	Program 21: write a c++ program to print hollow	22	
22	square pattern using for loop	22	
22	Program 22: write a c++ program to take input	23	
	between 1-25 at runtime and display "thank you		
	user" for selecting number between 1-25 otherwise display "please enter number between 1-25		
	only!!".(using while loop).		
23	Program 23: write a c++ program to find number is	24	
23	positive, negative or zero using "goto" jump	24	
	statement		
24	Program 24: write a c++ program to differentiate	25	
	break and continue jump statement.		
25	Program 25. Write a c++ program to display details	26	
	of 5 students' detail should be contained student		
	name, roll number, marks using structure.		
26	Program 26. Write a c++ program to create a	28	
	structure named "date" which contains three		
	members day, month, year and display current date		
	entering by the user using function definition.		
27	Program 27. Write a c++ program to demonstrate	29	
	enum with switch case.		
28	Program 28. Write a c++ program to create an enum	31	
	having number of enum list or elements and count		

the size of elements inside the enum.  29 Program 29. Write a c++ program to swap two  32	
trolizada zerikla ozak zadim oz klajnol zroni ola lo	
values without using third variable.	
30 Program 30. Write a c++ program to swap two 33	
values using third variable of call by address function	
invoking.	
31 Program 31. Write a c++ program to illustrate 34	
working of call by value of a function invoking.	
32 Program 32. Write a c++ program to illustrate 35	
working of call by reference method of a function	
invoking.	
33 Program 33. Write a c++ program to calculate 36	
simple interest using default arguments.	
34 Program 34. Write a c++ program using function 37	
template to add two integers and two float number.	
35 Program 35. Write a c++ program to create simple 38	
calculator using class templates.	
37 Program 37. Write a c++ program to demonstrate 42	
function overloading.	
38 Program 38. Write a c++ program to find the size of 43	
1-d, 2-d and multidimensional array.	
39 Program 39. Write a c++ program create and display 45	
one-d array of size 7 and also display average of all	
the elements.	
40 Program 40. Write a c++ program to input 5 46	
numbers in an array and print all the numbers from	
the backside of the array.  41 Program 41. Write a c++ program create class  47	
named "student", having two data member of private	
specifier name rollno and marks. And make marks	
data member as array of size 5. Student class also	
contains public member function named getdata(),	
showdata(), and totalmarks() which will define	
outside of the class. Getdata() will take input from	
the user only, showdata() will show the input data	
from the user, and totalmarks() will sum all the 5	
marks of subject and display the total marks.	
42 Program 42. Write a c++ program to find greatest 49	
number among three numbers implementing the	
nesting of member function.	
43 Program 43. Write a c++ program to create class 51	
named "my class", having two private member of	

	1.4		
	integer type. And perform addition, multiplication, and subtraction operation inside the class body.		
44	Program 44. Write a c++ program to make outside function inline.	53	
45	Program 45. Write a c++ program to keep count of created object using static member.	54	
46	Program 46. Define a class candidate in c++ with	55	
40		33	
	the following description:= Private member:-		
	• a data member rno (registration number) of type		
	long.		
	• a data member name of type string.		
	• a data member score of type float.		
	• a data member remarks of type string.		
	• a member function assignrem() to assign remarks		
	as per the score obtained by a candidate. Score		
	range and the respective remarks are shown as		
	follows:		
	Score remarks		
	>=50 selected		
	Less than 50 not selected		
	Public member:-		
	• a member function enter() to allow user to enter		
	values for rno, name, score and call function		
	assignrem() to assign the remarks.		
	• a member function display() to allow user to view		
	the content of all the data members.		
47	Program 47. Write a c++ program to implement	57	
	single inheritance.		
48	Program 48. Write a c++ program to implement	59	
	multiple inheritance.		
49	Program 49.write a c++ program to implement	61	
	multilevel inheritance		
50	Program 50.write a c++ program to initialize three	62	
	integer values through constructor using parameter.		
51	Program 51.write a c++ program to illustrate order	64	
	of invocation for these, define two class first class		
	named "sub" and second named "mark" in c++ with		
	the following description:=		
	Class "sub" contains -		
1	Private member:-		1

		1	
60	Program 60. Write a c++ program to the working of virtual function.	77	
61	Program 61. Write a c++ program to the working of pure virtual function.	78	
62	Program 62. Write a c++ program to find large number between two number using friend class.	79	
63	Program 63. Write a c++ program to for operator overloading to compare two objects are equal are not using == operator.	80	
64	Program 64. Write a c++ program to illustrate unary operator overloading on increment operator by using member function.	82	
65	Program 65. Write a c++ program to add two complex number using + operator overloading by friend function.	83	
66	Program 66. Write a c++ program to illustrate unary minus operator overloading using friend function	85	
67	Program 67. Write a c++ program to demonstrate the use of >> and getline() for reading the string.	87	
68	Program 68. Write a c++ program to create a file named "rudra" using constructor.	88	
69	Program 69. Write a c++ program to create a file name "info" using open function having details about your name,age,class and address.and display them into the console using eof().	89	
70	Program 70. Write a c++ program to perform truncate operation in a file existing file named "file".	90	
71	Program 71. Write a c++ program to open existing file name "shiva" in append mode to add some content in a file.	91	
72	Program 72. Write a c++ program to find current position of input/output pointer of a file.	93	
73	Program 73. Write a c++ program to differentiate read() and getline() function.	94	
74	Program 74. Write a c++ program to demonstrate manupulators(setw, setprecision, setbase, setfill).	95	
75	Program 75. Write a c++ program which reads input from the keyboard whose width specified with 8 and unused space filled with '#'and input should be left-justified.	96	