Sr.	Problems
	Use of PRINTF()
1	Display your name.
2	Display your name, age, address, 12th percentage. (Use \n)
3	Display subject names and subject teachers' names.
4	Display following pattern: * * *
	Use of simple calculations
5	Add 3 & 5 and display the result in form of "Answer = 8".
6	Add 3 & 5 and display the result n form of "3 + 5 = 8".
7	Perform +, -, * and / of 10 and 5. Display results on different lines.
8	Swapping of two numbers using third variable.
9	Swapping of two numbers without using third variable.
10	To calculate the area of circle where radius is 7.
11	To calculate the area of square where length is 3.
12	To calculate area of rectangle where length is 7 and breadth is 4.
13	To calculate square and cube of 5.
14	To convert 10m into cm and 10km into m.
	Use of SCANF()
15	Enter one number and display it.
16	Enter two numbers and perform +, -, * and / on them.
17	Enter Principle amount (p), rate (r) and period (n) and display the simple interest.
18	Enter quantity and prise of "CPPM book" and display total amount. Also takes input of discount (%) and display total final payable amount.
	Data type
19	Enter integer no, float no, single character, string and display each on screen.
20	Enter your name, age, birth date and 12th percentage. Display each with proper format.
	Operators
21	Convert numbers of days into months and days.
22	To print sequence of square of number up to 5. (Use shorthand operator)
23	Enter the value of x and y (int). Perform following operations and display results: 1. (x+y) * (x – y) 2. (x + y) / (x – y) 3. X + x / y 4. X<y 5. ! (x<y) 6. X> = y

24	Enter a number and check increment and decrement operator (a++, ++a, a--and --a)
	Conditional operator
25	Enter two numbers and display the largest number.
26	Enter two numbers and display the smallest number using ternary operator.
27	Enter marks out of 100 of English subject and display Pass / Fail.
28	Enter salary and check whether it is greater than 10000 or not.
	Conditional statement **Simple IF**
29	Enter the number and display the number if it is greater than 100.
30	Enter the age and weight of the student and display whether student is eligible to donate blood or not.
	IF –else
31	Display greatest number among two numbers.
32	Display given number is even or odd. [Apr15(A)]
33	Display given number is greater than equal to 100 or less than 100.
	If- else – if
34	Display class of the given percentage.
35	Enter five subject marks and display whether student is pass or fail.
36	Display division number for given roll number based on following criteria: 1 to 75 Div-I 76 to 150 Div-II 151 to 225 Div-III 226 to 300 Div-IV
	Nested IF
37	Enter three numbers and print the greatest number.
38	Enter three numbers and print the smallest number.
39	Enter three numbers and print the middle number. [Nov14,16,17]
	Switch case
40	Prepare following menu and perform operation on two numbers based on user's choice: [Nov14,15] Addition ---------1 Subtraction-----2 Multiplication—3 Division----------4 Exit----------5
	IF
41	Enter year and check whether it is leap year or not.
42	Enter three angles of triangle and check whether triangle is valid or not.
43	Find absolute value of number without using function.

44	Check the Forward Jump and backward Jump				
45	Write a program to convert lower case letter character to upper case and same upper case letter to lower case using ASCII.				
46	Enter one character and display the message that whether the character is capital letter, small letter, digit or special symbol. (**Hint: ASCII values of characters:** A-Z 65 to 90 a- z 97 to 122 0- 9 48 to 57 Special 0-47, 58 – 64, 91 – 96, 123 – 127.)				
	Loop while, do….while , for				
47	Write a program to print “Hello” 10 times.				
48	Write a program to print “*” n number of times (In a same line).				
49	To print 1 to 10 numbers with its square.				
50	To print 50 to 1.				
51	To do sum of first n natural numbers.				
52	To do sum of m to n natural numbers.				
53	To do average of m to n natural numbers.				
54	To display even numbers between 1 to 50.				
55	To display odd numbers between 1 to 50. [Nov16 (A)]				
56	To print number until 0 is given as input.				
57	To count positive and negative until 0 is given as input.				
58	To print factorial value of given number. [Apr17(A), Nov15(A)]				
59	Check entered number is **Palindrome** or not. **OR** Take input of one number and reverse the number. Check whether the number and reverse number are equal or not. **OR** Display the reverse number of entered number.				
60	To print **Fibonacci series** as per user’s input number. (0,1,1,2,3,5,8,13...) [Apr-14,16(A)]				
61	Check whether a number is **Armstrong** or not. (Ex: $153=1^3+5^3+3^3$) [Nov15, Apr-17 (A)]				
	Pattern				
62	* [Nov15] * * * * *	63	1 [Nov14] 1 2 1 2 3	64	1 2 2 3 3 3
65	3 [Nov16] 3 2 3 2 1	66	A (Using ASCII values) A B A B C	67	A B B C C C
68	3	69	1	70	1

	2 2 1 1 1		1 2 1 2 3		2 2 3 3 3
71	1 2 1 3 2 1	72	* * * * * *	73	1 2 3 4 5 6
74	1 2 2 3 3 3 2 2 1	75	* * * * * * * * *	76	4 [Nov16] 4 3 4 3 2 4 3 2 1
77	10 20 30 40 50 60 70 80 90 100	78	Pascal Triangle 1 1 1 1 2 1 1 3 3 1 1 4 6 4 1		
	One dimension array				
79	Enter 10 numbers and print 10 numbers.				
80	Enter 10 numbers and do sum of given numbers.				
81	Enter 3 X 3 matrix using one dimension array and print 3 X 3 matrix on screen.				
82	To find largest number from one dimension array elements. [Nov15, Apr17(A)]				
83	To find smallest number from one dimension array elements.				
84	To copy content of one array into another array. [Nov14,15,17]				
85	Create dynamic array and reverse order of an array elements.				
86	Enter two array of size 5. Add these two array elements and store in third array. (C = A + B)				
87	Enter two array of size 5. Subtract these two array elements and store in third array. (C = A - B)				
88	To calculate sum of all even elements from 1D array of size 10. [Nov-17(A)]				
89	To sort array in ascending order. [Apr15(T)]				
90	To sort array in descending order. [Nov13, Nov14(T)]				
91	Enter one array with 15 numbers and search one number and return the position.				
92	Find the largest and second largest elements from given array. [Nov17]				
93	count total numbers of odd and even numbers from an array of size 10. [Nov16(A)]				
	Two dimensional array				
94	Enter one matrix and print matrix using two dimension array.				
95	Add two matrices.				
96	Subtract two matrices.				

97	Find the transpose of given matrix. [Nov14,15]
98	Check whether matrix is Identity matrix or not.
99	Multiplication of two matrices.
100	Create 3 X 3 matrix and calculate the sum of each rows.
101	Create 3 X 3 matrix and calculate the sum of each columns.
102	Create dynamic matrix.
103	To calculate the sum of diagonal elements of matrix. [Nov14]
104	To display maximum as well as minimum values of each rows and columns of given two dimensional matrix.
105	To print marksheet of n student using 2D array.
106	To sort elements in 2D array.
107	To merge two arrays in third array.
108	To check whether number is prime or not. [Nov-15 (A)]
109	To print prime numbers less than given number.
110	Check mathematical functions.
	String
111	Display one string on screen using string array and display each character on separate line.
112	To count length of string without using function.
113	To reverse string without strrev(). [Nov16(T)]
114	Check whether given string is palindrome or not. [Apr16,17,Nov14,15(T), Nov17(A)]
115	To find length of each word of given string with function.
116	To search character from given string without using functions in each word of given string.
117	To count numbers of vowels from string.
118	Display pattern: C CP CPP CPPM
119	To copy one text into another text without using strcpy() and with function.
120	To merge two text using strcat().
121	To compare two text using strcmp().
122	To count occurrence of a character in string. [Apr16(T)]
123	To count numbers of vowels, consonants, space, upper case letters, lower case letters, numbers, special characters from string. [Nov16,17]
124	To generate bill for shopping items.
125	Sort words in ascending order.
126	Sort words in descending order.
127	Display the string character by character with its ASCII values. [Nov16]

128	Take input of string. Convert upper case letter to lower case and lower case letter to upper case. Display the converted text. [Nov14]
129	Enter one string. Count numbers of characters and words. [Nov15(T)]