

**KSKV Kachchh University**  
**Program: PGDCA**  
**Semester: I**

<b>Paper Code: CCCS104</b>	<b>Total Credit : 4</b> <b>Total Marks : 70</b> <b>Time : 3 Hrs</b>
<b>Title of Paper: Practical Based on CCCS102 and Elective Courses</b>	

Unit	Description	Weighting
	<p><b>Sample Practical Exercises:</b>  <b>Develop algorithms/flow charts/C programs for the following :</b>            To prepare a cup of tea.            To open a bank account.            To find maximum from the given three numbers.            To find simple interest and Compound Interest            To read three sides of a triangle and print whether it will form a triangle or not            To find the solution of quadratic equation.            To find out N! (Factorial of N).            To find out minimum and maximum from N numbers.            To find whether given number is prime or not.            To print the N terms of Fibonacci series. (i.e. 1, 1, 2, 3, 5, 8, 11 ...).            To read a number &amp; check whether it is a palindrome or not.</p> <p><b>Find the sum of the following series :</b>            Sum = 1 + 3 + 5 + 7 ..... up to N terms.            Sum = 5 - 10 + 15 - 20 + 25 ..... up to N terms.            Sum = 1 + 1 + 2 + 3 + 5 + 8 + 13 ..... up to N terms.            Sum = 1<sup>2</sup> + 2<sup>2</sup> + 3<sup>2</sup> + 4<sup>2</sup> + 5<sup>2</sup> ..... up to N terms.            Sum = 1! + 2! + 3! + 4! ..... up to N terms.</p> <p><b>Read marks of three subjects and find the percentage of it. Also, print the appropriate class.</b> Here,            If percentage &lt; 40 then class is 'fail'            If 40 &lt;= percentage &lt; 48 then class is 'pass'            If 48 &lt;= percentage &lt; 60 then class is 'second'            Else class is 'first'.</p> <p><b>Find the value of SUM for the following.</b></p> <p>SUM = X + X / 2! + X / 3! + X / 4! ..... up to N terms.            SUM = 1 - 1/2 + 1/3 - 1/4 + 1/5 ..... up to N terms.            To find the sum of the digits in a given positive numbers.            To input a time as a number of seconds after midpoint and outputs it as hours: minutes: seconds. For example, if the input were 50000 the output should be 13: 53: 20.            To read the price of one dozen bananas and calculate and print the total cost of N bananas.            To read a number and find whether it is divisible by two or not.            To accept a positive integer and check whether it is one-digit, two-digit or three-digit otherwise print appropriate message.</p>	--

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<b>Unit</b>	<b>Description</b>		<b>Total Marks</b>
Unit I to V	Q.1(A) Viva Voce	20	70
	Q.1 (B) Practical	50	