

SARDAR PATEL UNIVERSITY
Programme: BCA
Semester: I
Syllabus with effect from: JUNE 2011

Part-I: Weightage-50%

Practical based on computer programming using C

Part-II: Weightage-50%

Practical based on PC software and HTML

Paper Code: US01CBCA05	Total Credit: 6
Title Of Paper: Practicals	

Unit	Description in detail	Weighting (%)
	<p>Sample Practical Exercises: Develop algorithms/flow charts/C programs for the following : To prepare a cup of tea. To open a bank account. To purchase a railway ticket for Bombay (from Anand). To find maximum from the given three numbers. To find simple 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 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 & check whether it is a palindrome or not. To find out value of NCR.</p> <p>Find the sum of the following series : 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 = 1² + 2² + 3² + 4² + 5² up to N terms. Sum = 1! + 2! + 3! + 4! up to N terms.</p> <p>Read marks of three subjects and find the percentage of it. Also, print the appropriate class. Here, If percentage < 40 then class is 'fail' If 40 <= percentage < 48 then class is 'pass' If 48 <= percentage < 60 then class is 'second' Else class is 'first'.</p> <p>Find the value of SUM for the following. 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.</p>	50%



	<p>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.</p> <p>To read the price of one dozen bananas and calculate and print the total cost of N bananas.</p> <p>To read a number and find whether it is divisible by two or not.</p> <p>To accept a positive integer and check whether it is one-digit, two-digit or three-digit otherwise print appropriate message.</p>	
	<p>Sample Practical Exercises:</p> <p>[A] 1. <u>Microsoft Word</u></p> <p>Creating the documents with Special effects like underline, bold, different size, different font, different color. Etc.</p> <p>Find and Replace operations like cut, paste, copy, clipboard.</p> <p>Inserting Date & Time, Pictures, Bullets & Numbering etc.</p> <p>Paragraphs, bullets, indentation etc. Formatting features.</p> <p>Printing the documents, it includes paper-size, margins, header and footer, page no. etc.</p> <p>Creating a table.</p> <p>Mailmerge, spellcheck, drawing table.</p> <p>Template.</p> <p>2. <u>Microsoft PowerPoint</u></p> <p>Creating a presentation</p> <p>Inserting/Deleting slides</p> <p>Different slide views</p> <p>Editing slides</p> <p>Formatting slides</p> <p>Slide transition & adding special effects</p> <p>Inserting sound, picture, chart, organization chart</p> <p>3. <u>Microsoft Excel</u></p> <p>Creating Worksheets</p> <p>Printing, Inserting, Deleting, Copying, Moving worksheets.</p> <p>Formulas, built-in functions</p> <p>Graph-Plotting facilities</p> <p>Database Management System</p> <p>Using extexternally created data files.</p> <p>What – if analysis</p> <p>Formatting cells, Worksheets etc.</p> <p>Custom Controls</p> <p>Protection facility</p> <p>Pivot tables</p> <p>Macro facility</p> <p>[B] <u>HTML</u></p> <p>Development of simple web sites using features covered in US01CBCA04.</p>	<p>50%</p>

