

Fr. Conceicao Rodrigues of Engineering

Structured Programming Approach

FE – SEM II (All Classes)

Max marks :60

PRELIMS - APRIL 2015

Q-1	<ol style="list-style-type: none"> ✓ 1. "Determine the type of triangle given its sides". Is this problem definition complete? If not complete the definition. ✓ 2. Write a program to calculate the sum of the following series: 1+2/2!+3/3!+4/4!+.... n terms ✓ 3. Differentiate between switch and else-if ladder ✓ 4. Explain sqrt () and floor () with an example. 5. Differentiate between structure and union 	[4X5]=20
Q-2	<ol style="list-style-type: none"> ✓ 1. Write a recursive function to calculate x^n OR Write a program to find sum of elements of array by passing array to function. ✓ 2. Write a program for matrix multiplication OR WAP to concat two strings without using built in function 	[2X10]=20
Q-3	<p>Attempt any TWO</p> <ol style="list-style-type: none"> 1. Explain all the storage classes with an example. 2. Define a structure Employee with name, employee id and salary. Create an array of employees, initialise them and sort them in the ascending order according to their salary. 3. Create a structure Student having data members as rollno, name and marks. Create an array of students. Write a program to display details of the student scoring highest marks. 	[2X10]=20