Rubrics for CO1 and CO2 - Laboratory Examination (Internal/External)

(Internal: Two tests - 15 marks each, External: Two questions - 25 marks each)

Rubric	Poor	Average	Good	Excellent
	Up to (1/2)	Up to (2/4)	Up to (3/6)	Up to (5/8*)
Syntax and Logic	Program does not	Program compiles	Program compiles	Program compiles
Ability to	compile with	that signals major	with minor	with evidence of
understand,	typographical	syntactic errors	syntactic errors and	good syntactic
specify the data	errors and incorrect	and logic shows	logic is mostly	understanding of
structures	logic leading to	severe errors.	correct with	the syntax and
appropriate for	infinite loops.		occasional errors.	logic used.
the problem				
domain				
<u>Modularity</u>	Program is one big	Program is	Program is	Program is
Ability to	Function or is	decomposed	decomposed	decomposed
decompose a	decomposed in	into units of	into coherent units,	into coherent and
problem into	ways that make	appropriate size,	but may still	reusable units, and
coherent and	little/no sense.	but they lack	contain some	unnecessary
reusable		coherence or	unnecessary	repetition are
functions, files,		reusability.	repetition.	eliminated.
classes, or		Program contains		
objects (as		unnecessary		
appropriate for		repetition.		
the programming				
language				
and platform).				
Clarity and	Program does not	Program	Program produces	Program produces
Completeness	produce	approaches	appropriate	appropriate
Ability to code	appropriate results	appropriate	results for most	results for all
formulae and	for most inputs.	results for	inputs.	inputs tested.
algorithms that	Program shows	most inputs, but	Program shows	Program shows
produce	little/no ability to	contain some	evidence of test	evidence
appropriate	apply different test	miscalculations.	case analysis that is	of excellent test
results. Ability	cases.	Program shows	mostly complete,	case analysis,
to apply rigorous		evidence of test	but missed to	and all possible
test case analysis		case analysis,	handle all possible	cases are
to the problem		but missing	test cases.	handled
domain.		significant test		appropriately.
		cases or		
		mistaken some		
		test cases.		

^{* 8} marks for syntax and logic, 8 marks for modularity, and 9 marks for Clarity and Completeness.