



Internal Assesment Test - III

Sub:	PROGRAMMABLE LOGIC CONTROLLERS Cod						e: 10EE752					
Date:	20/11/2017	Duration:	90 mins	Max Marks:	50	Sem:	5	Brar	nch:	EE	E	
Answer Any FIVE FULL Questions												
									Mark		OBE	
									Mar	KS	CO	RBT
1 (a)	(a) Illustrate data handling in PLCs with suitable diagrams.								[10]		CO4	L3
2 (a)	Explain different methods by which the controller can react to an error signal in PLC closed loop control schemes with neat block diagram.								[10]		CO4	L4
3 (a)	Explain with a ladd register program in			tion list, the o	peration o	of a 4 b	it shift	ţ	[10]]	CO4	L4
4 (a)	Program a PLC to ladder diagram repr		operation	of bottle pack	king in ar	n indus	try wi	ith a	[10]]	CO4	L6
5 (a)	Explain the location	n of stop and	emergeno	cy stop switch	es in a saf	e PLC	syster	n.	[10]	C04	L4
6 (a)	Explain the latch application of latch start push button s when the power is a	ing circuit b witches and	y conside I for whic	ring the motor th one signal	r is contro light mus	olled by st be il	y stop lumin	and	[10]	CO4	L4
7 (a)	For the following B (i) Draw the ladder (ii) Simplify the equ	diagram for				+ ABC	D		[10]]	CO4	L1
	(iii) Draw the ladde		or the simp	lified equation	n.							