Total	No.	of Questions : 8] SEAT No. :	
P76	9	[Total No. of Pages : 2	
		[5870]-1075	
		T.E. (E&TC)	
EMBEDDED PROCESSORS (2019 Pattern) (Semester - II) (304195(D)) (Elective - II)			
`		2 Hours] [Max. Marks : 70	
Instr	uction 1)	ons to the condidates. Answer Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q.8.	
	<i>2</i>)	Neat diagrams must be drawn whenever necessary.	
	3) 4)	Figures to the right indicate full marks. Assume suitable data, if necessary.	
Q 1)	a)	Write algorithm or flowchart to generate triangular waveform using DAC of LPC2148 [4]	
	b)	List the features of ON chip ADC of LPC2148. [6]	
	c)	Draw and Explain interfacing of EEPROM using I2C communication to LPC2148. Draw flowchart to read and write data in EEPROM. [8]	
		OR O	
Q 2)	a)	Write features of DAC in LPC2148. [6]	
	b)	Write down the features of VART of LPC2148 write algorithm to transmicharacter 'P' to PC. [8]	
	c)	Compare ARM cortex M3 with ARM7TDMI.	
		29.V	
Q3)	a)	Compare ARM cortex M3 with ARM7TDMI. Explain CMSIS standard. Write features of STM32F4XX processor. Compare ARM Cortex A, M and R. OR OR	
	b)	Write features of STM32F4XX processor. [5]	
	c)	Compare ARM Cortex A, M and R. [5]	
		OR	
Q4)	a)	Explain different peripherals in STM32F4XX. [8]	
	b)	Enlist different clocks of STM32F4XX. [5]	
	c)	Compare ARM Cortex M3 with ARM cortex M4. [5]	
		P.T.O.	

