Examination Nov/Dec 2019

H-316

Total No. of Printed Pages:2

SUBJECT CODE NO:- H-316
FACULTY OF SCIENCE AND TECHNOLOGY
T.E. (EC/ECT/IEC/E&C) (Sem-I)
Microprocessors & peripheral
[OLD]

[Time: Three Hours]   [Max. Marks:80]

Please check whether you have got the right question paper.
N.B.:1) Q. No.1 & Q.No.6 are compulsory.
2) Answer any two Questions from Q.No.2 to Q.No.5
3) Answer any two Questions from Q. No.7 to Q. No.10.

SECTION– A

Q.1	Attempt any two of the following.	10
	a) Draw & Explain Architecture of 8085.	
	b) Define & Explain concept of stack and subroutine.	
	c) Enlist Features of 8085.	
Q.2	a) Draw & Explain pin diagram of 8085.	08
	b) Write different addressing mode of 8085.	07
Q.3	a) WAP for 8085 to multiply two 8-bit numbers.	07
	b) Compare & contrast memory mapped I/O with I/O mapped I/O.	08
Q.4	a) Explain following 8085 Instruction.	08
	i) MVI R, data	
	ii) INR M	
	iii) ADC R	
	iv) JNZ	
	b) Explain need of I/O ports	07
Q.5	Write Short Note on following (Any three)	15
	a) Stack Pointer in 8085.	
	b) Central Processing unit.	
	c) Counters	
	d) 8085 Interrupts.	

SECTION – B

Q.6	Attempt any two of following	10
	a) Explain 7 – segment Display.	
	b) Enlist feature of programmable Interval timer.	
	c) Compare the synchronous & Asynchronous data transfer.	
Q.7	a) Draw & explain 8255.	08
	b) Draw & explain block diagram of 8355.	07
Q.8	a) Explain voltage measurement by using 8085.	07
	b) Draw& explain ADC interfacing with 8085.	08

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Q.9   a) Explain Logic Analyzer with help of diagram.   08
      b) Compare 8155 & 8355.   07

Q.10   a) Explain how you will use 8155 times to generate a square wave.   08
      b) Explain 8255 interfacing with 8085.   07