8715

BT-7/DX MICROCONTROLLERS

THE PERSON NAMED IN COMP.

adloniogenia

(b) Explain the securion of restriction

Paper: ECE-415(E)

Time: Three Hours] [Maximum Marks: 100

Note: Attempt five questions in all, selecting at least one question

from each unit.

DOCK UNIT-I THOU THE STATES

1. Explain the most important application of microcontroller that you have seen actually for sale. 20

2. (a) Differentiate between 8-bit, 16-bit and 32-bit microcontrollers.

(b) Compare the major differences between Microprocessor and Microcontroller.

UNIT-IIn holisompmmoo

Explain Made C, Mode 2, Mode 2 and Made 3 date

3. (a) Discuss the pin diagram of 8051.

(b) Discuss the RESET and CLK circuit. 7

(c) Explain the differences between Port 0, Port 1 and Port 2 I/O pins.

4. (a) Define the following:

(i) SFR.

(ii) PSW.

(b) Explain SCON and PCON function register. 6

112 11	Which Register holds the Serial data interrupt t	com (C)	nowtoexam.co
10	and RI ? Explain.	RETE	
		and a second	
	UNIT-III	8	10
4	Discuss ACALL and LCALL mnemonics.	5. (a)	
8	Explain the various addressing modes of 8051.	(b)	
8	Describe the purpose of H/W Pure delay.	(c)	
8051 10	Explain the various JMP (Jump) instructions of microcontoller.	6. (a)	
	Explain the execution of instruction:	(b)	
^10	CJNE R7, #60H; DJN ZR ₉ , #22H;		2
		relleman	
	hat you have seen dofugily for said.	20	
1	a) Differentiate net VI-TINU. 16 bit and 32-b	'-capana h	
Pulled March 1988	Discuss the interfacing of 7-segment LCD display. a program to display "CONTROLLER" rolling o	7. (a)	ye hada
12	and Microcontroller.	01	
data 8	Explain Mode 0, Mode 1, Mode 2 and Mode 3 communication mode.	(b)	
cover	Explain Hardware circuit for multiple interupt to	8. (a)	

256 interupts. ALD hos THEET and cally (d)

(b) Write a program to measure the Pulse width of a pulse.

Post 2 I/O gins,

4. (a) Define the following

3F42 (i)

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