1 point

1 point

NPTEL » Microprocessors and Interfacing

Unit 9 - Week 7: I/O Interfacing

	Assignment 7	
does an NPTEL online se work?	The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.	9 IST.
0 : Prerequisite	Which of the following operation is not involved in interfacing a keyboard to 8086?	0 points
1 : 8086 Architecture		o points
0 - 0000 Pi I	Detect a keypress Debounce the keypress	
2 : 8086 Pins and	O Decode the keypress	
3 : 8086 Instruction Set	Encode the keypress	
ek 3 : 6000 instruction Set	No, the answer is incorrect. Score: 0	
4: 8086 Instruction Set	Accepted Answers: Decode the keypress	
4. ooo mstraotion oct	Decode the keypress	
5 : Programming I	2) The process of making sure a previous key has been released before looking for next one is called	1 point
	O Decoding of the key	
6 : Memory Interfacing Programmable Peripheral	O Debouncing of the code	
erface	Encoding of the key Two-key lockout	
7 : I/O Interfacing		
	No, the answer is incorrect. Score: 0	
iz : Assignment 7	Accepted Answers: Two-key lockout	
c 1 : Keyboard Interface		
c 2 : 7-segment Display erface	In order to interface a hexadecimal keyboard to 8086	1 poin
	One 8-bit port of 8255 must be programmed as input port and 4-bits of another port must be programmed as output port	
c 3 : Multiplexed 7-sgment splay Interface	One 8-bit port of 8255 must be programmed as output port and 4-bits of another port must be programmed as input port	
edback form	One 8-bit port of 8255 and 4-bits of another port must be programmed as output ports One 8-bit port of 8255 and 4-bits of another port must be programmed as input port	
lution: Assignment 7	No, the answer is incorrect.	
	Score: 0	
8: I/O Interfacing	Accepted Answers: One 8-bit port of 8255 must be programmed as input port and 4-bits of another port must be programmed as output port	
9: I/O Interfacing and	4) Let a BCD to 7-segment decoder (7447) is interfaced to a common anode type 7-segment display. If the BCD input to 7447 is 1001 and common signal of 7-segment display is connected to logic 1	1 poin
10: Programmable		
rupt Controller (8259)	All the segments of display will be at logic 0 Only the segment "e" will be at logic 0	
k 11: Programable DMA troller (8237), Serial I/O	All the segments except "e" will be at logic 0	
	All the segments except "e" will be at logic 1	
12: Programable	No, the answer is incorrect.	
nunication ace(8251)	Score: 0 Accepted Answers:	
ace(0251)	All the segments except "e" will be at logic 0	
load Videos	5) In order to drive eight 7-segment displays, the worst case current required would be	1 poin
Transcripts	○ 140 mA	
	○ 160 mA	
	○ 980 mA	
	○ 1120 mA	
	No, the answer is incorrect. Score: 0	
	Accepted Answers: 1120 mA	
	6) Which of the following circuit is preferred to drive relay coil?	1 poin
	One PNP transistor buffer	
	One NPN transistor buffer	
	Oparlington transistor	
	O IC buffer	
	No, the answer is incorrect. Score: 0	
	Accepted Answers:	

7) Which of the following circuit is preferred to drive motor winding?

8) Which of the following circuit is not involved in the internal circuitry of solid-state relay?

One PNP transistor buffer

One NPN transistor buffer

O Darlington transistor

O Power MOSFET circuit

No, the answer is incorrect.

Accepted Answers: Power MOSFET circuit

Phototransistor

Trigger circuit

Accepted Answers:

Rectifier

Zero crossing detector

No, the answer is incorrect. Score: 0

Rectifier

Score: 0