

泰山学院物理与电子工程学院

2022级物理学（师范本科）专业

2023 ~ 2024学年第一学期

《数字电子技术基础》试卷B

(答题卡共4页，答题时间120分钟)

注意事项	1. 请严格按照题号在相应答题区域作答，超出答题区域的答案无效；在草稿纸、试卷上答题无效。禁止填涂答题纸四角的识别区。		学号(*必填项*)									
	2. 答题前请先将姓名、学号填涂清楚。		[0] [0] [0] [0] [0] [0] [0] [0] [0] [0]									
	3. 客观题使用2B铅笔填涂；修改时用橡皮擦干净。		[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]									
填涂	4. 保持卷面清洁，不要装订、折叠、破损。		[2] [2] [2] [2] [2] [2] [2] [2] [2] [2]									
	正确填涂： 错误填涂：		[3] [3] [3] [3] [3] [3] [3] [3] [3] [3]									
考生禁填			[4] [4] [4] [4] [4] [4] [4] [4] [4] [4]									
	缺考		[5] [5] [5] [5] [5] [5] [5] [5] [5] [5]									
	作弊		[6] [6] [6] [6] [6] [6] [6] [6] [6] [6]									
	违纪		[7] [7] [7] [7] [7] [7] [7] [7] [7] [7]									
		[8] [8] [8] [8] [8] [8] [8] [8] [8] [8]										
		[9] [9] [9] [9] [9] [9] [9] [9] [9] [9]										

一、单选题（每题2分，共20分）

1. [A] [B] [C] [D]
2. [A] [B] [C] [D]
3. [A] [B] [C] [D]
4. [A] [B] [C] [D]
5. [A] [B] [C] [D]
6. [A] [B] [C] [D]
7. [A] [B] [C] [D]
8. [A] [B] [C] [D]
9. [A] [B] [C] [D]
10. [A] [B] [C] [D]

二、填空题（共20分）

1.(3分)

2.(3分)

3.(2分)

4.(3分)

5.(6分)

6.(3分)

三、化简题（共10分）

1. (5分)

2. (5分)

四、分析计算题（共50分）

1. (10分)



2. (10分)



4. (10分)

3. (10分)

The diagram shows the pinout for a 74LS160 counter. It is a 16-pin device with pins numbered 1 to 16 around the perimeter. The pins are labeled as follows: Pin 1: EP (Enable Parallel); Pin 2: ET (Enable Trailing); Pin 3: CLK (Clock); Pin 4: Q₀ (Output 0); Pin 5: Q₁ (Output 1); Pin 6: Q₂ (Output 2); Pin 7: Q₃ (Output 3); Pin 8: RD (Reset); Pin 9: LD (Load); Pin 10: C (Carry Out); Pin 11: D₀ (Data Input 0); Pin 12: D₁ (Data Input 1); Pin 13: D₂ (Data Input 2); Pin 14: D₃ (Data Input 3); Pin 15: (unlabeled); Pin 16: (unlabeled).



5. (10分)

