

2024 ~ 2025学年第一学期期末考试
《数字电路与逻辑设计》A卷答题纸
(答题纸共6页, 答题时间120分钟)

专业: 班级: 姓名:

注意 事项	1. 严格按照题号, 在对应答题区域作答, 超出区域的答案无效。	学号(*必填项*)									
	2. 禁止填涂答题纸四角识别码。										
	3. 保持卷面清洁, 不要装订、折叠、破损。	[0] [0] [0] [0] [0] [0] [0] [0] [0] [0]									
	4. 答题前先填涂学号, 书写姓名等信息。	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]									
	5. 客观题使用2B铅笔填涂。	[2] [2] [2] [2] [2] [2] [2] [2] [2] [2]									
填涂	正确填涂:  错误填涂:     	[3] [3] [3] [3] [3] [3] [3] [3] [3] [3]									
	考生禁填	缺考	作弊	违纪	[4] [4] [4] [4] [4] [4] [4] [4] [4] [4]						
☐		☐	☐	[5] [5] [5] [5] [5] [5] [5] [5] [5] [5]							
			[6] [6] [6] [6] [6] [6] [6] [6] [6] [6]								
			[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]								

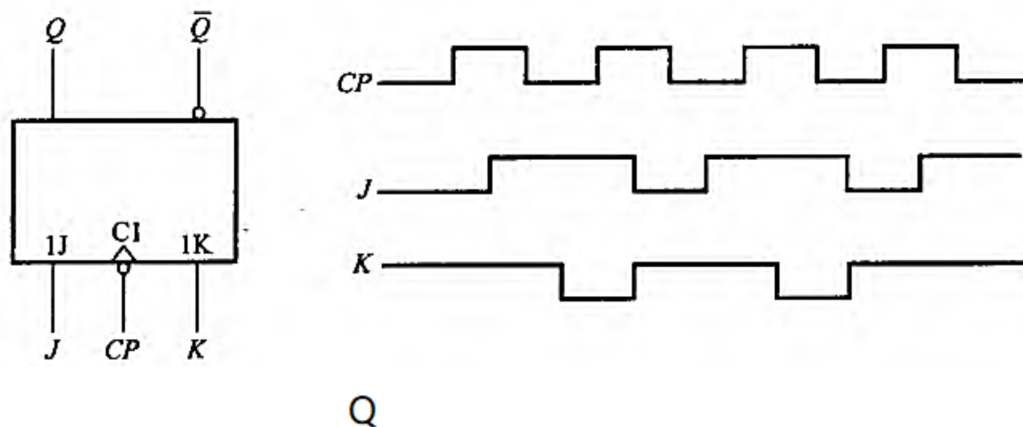
一、选择题 (在下列每题的四个选项中, 有一个或多个选项是符合试题要求的。每小题2分, 共24分)

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]
11. [A] [B] [C] [D]
12. [A] [B] [C] [D]

二、作图题 (共25分)

1. (10分)

2. (5分)



3. (5分)

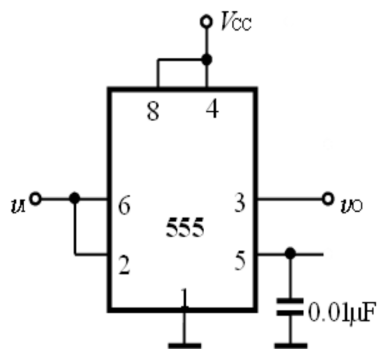


图 (a) 施密特触发电路

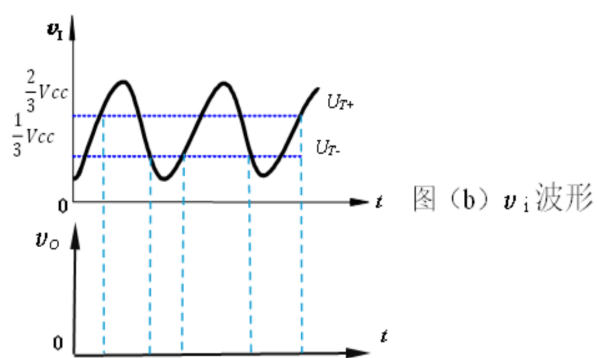
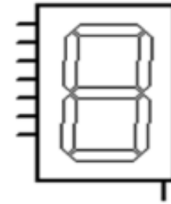
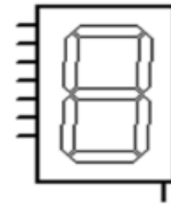
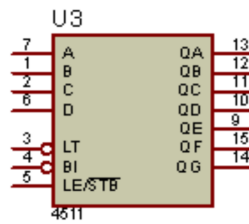
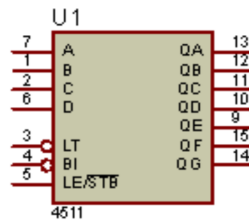
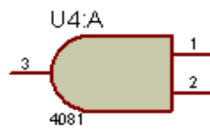
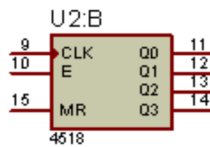
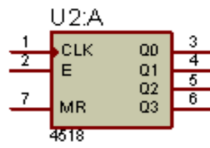


图 (b) v_i 波形



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4. (5分)



三、逻辑函数化简 (本题共2 小题, 每小题 8分) (共16分)

1. (8分)





2. (8分)

四、分析题（共10分）

1. (10分)





专业: _____ 班级: _____ 姓名: _____

五、设计题（共25分）

1. (10分)





2. (15分)

