

	Rubric for E344 (2020) Assignment 2 LTSpice		
	Total marks	40	
	Gates (non-negionable)		
1	No additional voltage sources	Y/N	-40
	Functional checks	Positive	Negative
2	Simulates 30 sec in more than 2 minutes		-2
3	Full output range achieved (< 0.1 V and > 4 V)	5	
4	Pulses at least 300 ms	5	
5	Circuit uses less than 25 mA	5	
6	Heart rate accurate for nominal specification (five discrete rates)	5	
7	Heart rate accurate for minimum specification (five discrete rates)	5	
8	Heart rate accurate for maximum specification (five discrete rates)	5	
9	Analogue output with full output range achieved (3.5V) and 1s response time.	5	
10	Circuit uses less than 15 mA	5	