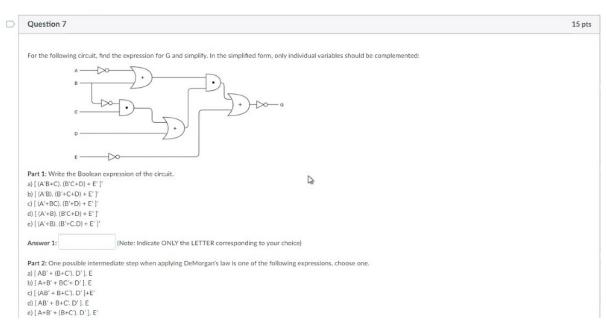
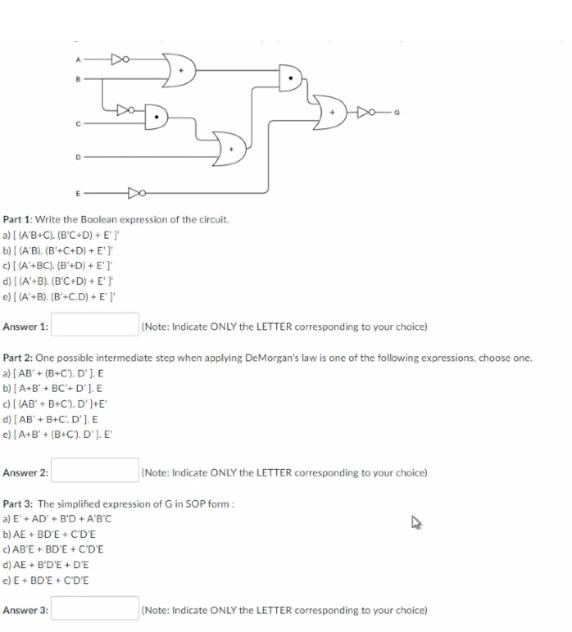
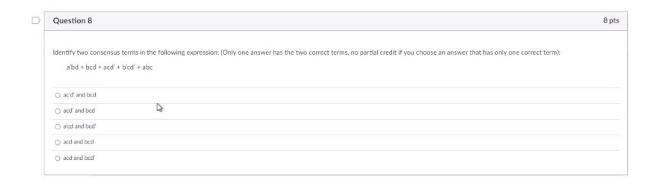
	Question 1	
	What is the decimal value of the number 544.1_{9}	
	O 445 1/9 ₁₀	
	○ 545.9 ₁₀	
	O 454 1/9 ₁₀	
	O 545 1/9 ₁₀	
	O 454.1 ₁₀	
	○ 445.1 ₁₀	
	O 454.9 ₁₀	
	Question 2	,
	Devise a scheme for converting base 9 numbers directly to base 3. Use your method to convert the following number to base 3: 832.79	
	O 2210122.122 ₃	
	O 221002.21 ₃	
	○ 112121.30 ₂ ○ 121111.001 ₃	
	O 111212.10 ₂	
	○ 111212.10 ₃	4
	O 111212.10 ₃	6
D	○ 111212.10 ₃	6
D	O 111212.10 ₃	6
D	O 111212.10 ₃ WE Question 3 Convert the number 83.E ₁₆ to Octal.	6
D	Question 3 Convert the number 83.E ₁₆ to Octal. © 308.7 ₆	6
D	○ 111212.10₂ Question 3 Convert the number 83.E ₁₆ to Octal. ○ 308.7 ₈ ○ 207.3 ₈	6
D	○ 111212.10₂ Question 3 Convert the number 83.E ₁₆ to Octal. ○ 308.7 ₈ ○ 207.3 ₈ ○ 302.7 ₉	6
D	○ 111212.10₂ Question 3 Convert the number 83.E ₁₆ to Octal. ○ 308.7 ₈ ○ 207.3 ₈ ○ 302.7 ₉ ○ 203.14 ₈ ○ 307.2 ₉ ○ 203.7 ₈	6
D	Ouestion 3 Convert the number 83.E ₁₆ to Octal. 308.7 ₈ 207.3 ₈ 302.7 ₉ 203.14 ₈ 307.2 ₉ 203.7 ₈	6
	Ouestion 3 Convert the number 83.E ₁₆ to Octal. 308.7 ₈ 207.3 ₈ 302.7 ₈ 203.14 ₈ 307.2 ₉ 203.7 ₉	
	Ouestion 3 Convert the number 83.E ₁₆ to Octal. 308.7 ₉ 207.3 ₉ 302.7 ₈ 203.14 ₈ 307.2 ₉ 203.7 ₉ Question 4	
	Question 3 Convert the number 83.E ₁₆ to Octal. 308.7 ₈ 207.3 ₈ 302.7 ₉ 203.14 ₈ 307.2 ₈ 200.7 ₉ Construct a table for 3-3-2-1 weighted code and write the number 253.	
	Question 3 Convert the number 83.E ₁₆ to Octal. 308.7 ₈ 207.3 ₈ 302.7 ₉ 203.14 ₈ 307.2 ₄ 203.7 ₅ Construct a table for 3-3-2-1 weighted code and write the number 253.	
	Question 3 Convert the number 83.E ₁₆ to Octal. 9 308.7 ₈ 207.3 ₈ 9 203.14 ₈ 9 307.2 ₈ 9 203.7 ₉ Construct a table for 3-3-2-1 weighted code and write the number 253.	
	Question 3 Convert the number 83.E ₁₆ to Octal. 308.7 ₈ 207.3 ₈ 302.7 ₆ 203.14 ₈ 307.2 ₈ 203.7 ₉ Construct a table for 3-3-2-1 weighted code and write the number 253. 011001000100 001001100100 010101100100	
	Question 3 Convert the number 83.E ₁₆ to Octal. 9 308.7 ₈ 207.3 ₈ 9 203.14 ₈ 9 307.2 ₈ 9 203.7 ₉ Construct a table for 3-3-2-1 weighted code and write the number 253.	6









	Question 9	10 pts
	Given: $F(a, b, c) = abc' + b'$. Express F' as a minterm expansion.	
	○ ∏ M(0, 1, 4, 5, 6)	
	○ ∑ m(0, 1,5, 6)	
	○ ∏ M(2, 3, 7)	
	○ ∑ m(0, 1, 4, 5, 6)	
	Ο Σ m(2, 3, 7)	
	Question 10	8 pts
	Determine which of the following equations are not valid.	
	○ x⊕1=x	
	○ x, ⊕ x =0	
	○ x ⊕ x' = 1	
	○ x ⊕ x = 0	
	○ x⊕0-x	
	Question 11	10 pts
	Find the minimum sum-of-products expression for the following function. $f(a,b,c,d) = \prod M(0,1,6,8,11,12) \cdot \prod D(3,7,14,15)$	
	○ a'bc' + ac'd + b'cd'	
	○ abc + a'cd + a'b'c'd' + a'bc'd'	
	○ a'bc' + ac'd + b'cd' + bc'd	
	○ a'bc' + ac'd + b'cd' + a'cd+abc	