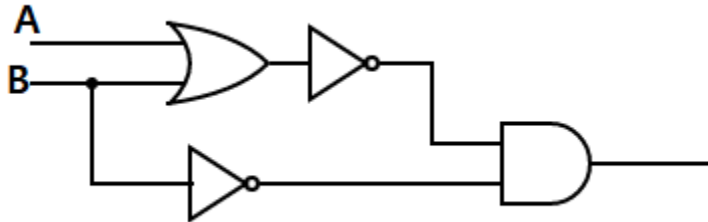


Logic Gate Questions

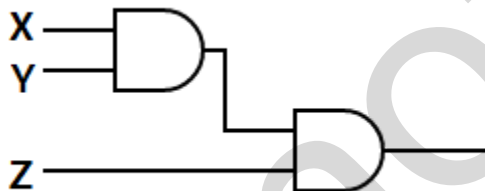
Grade 8

Question 1



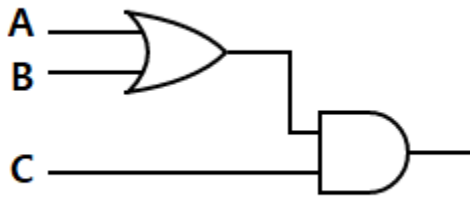
A	B	$A + B$	$\overline{A + B}$	\overline{B}	$(A + B) \cdot \overline{B}$
0	0				
0	1				
1	0				
1	1				

Question 2



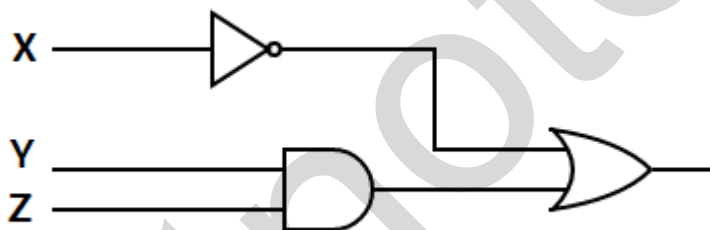
X	Y	Z	$X \cdot Y$	$(X \cdot Y) \cdot Z$
0	0	0		
0	0	1		
0	1	0		
0	1	1		
1	0	0		
1	0	1		
1	1	0		
1	1	1		

Question 3



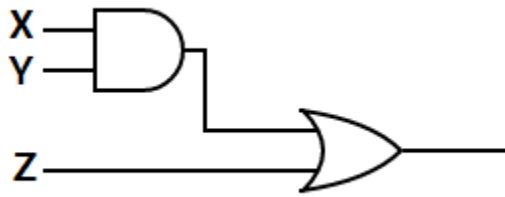
A	B	C	$A + B$	$(A + B) \cdot C$
0	0	0		
0	0	1		
0	1	0		
0	1	1		
1	0	0		
1	0	1		
1	1	0		
1	1	1		

Question 4



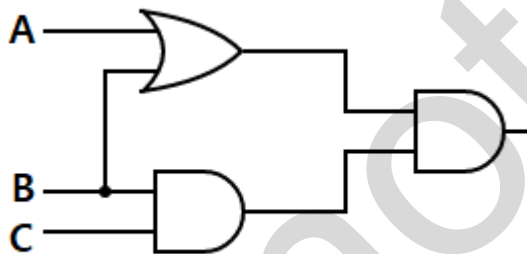
X	Y	Z	\bar{X}	$Y \cdot Z$	$\bar{X} + (Y \cdot Z)$
0	0	0			
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			

Question 5



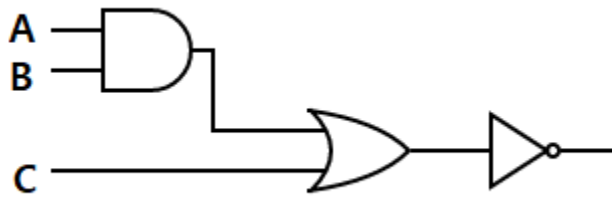
X	Y	Z	$X.Y$	$(X.Y) + Z$
0	0	0		
0	0	1		
0	1	0		
0	1	1		
1	0	0		
1	0	1		
1	1	0		
1	1	1		

Question 6



A	B	C	$A + B$	$B.C$	$(A + B). (B.C)$
0	0	0			
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			

Question 7



A	B	C	$A \cdot B$	$(A \cdot B) + C$	$\overline{(A \cdot B) + C}$
0	0	0			
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			