

Ans. to the ques. No. 4

R.O.N: 1905004

$$f = \pi(6, 7, 8, 9, 10)$$

Truth Table:

$A_3$	$A_2$	$A_1$	$A_0$	$F$
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
0	1	0	1	1
0	1	1	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	1	0
1	0	1	0	0
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

$$f = \pi(6, 7, 8, 9, 10)$$

$A_1 A_0$	00	01	11	10
$A_3 A_2$				
00	1	1	1	1
01	1	1	0	0
11	1	1	1	1
10	0	0	1	0

$$f = A_3' A_2' + A_3' A_1' + A_2' A_1 A_0 + A_3$$

# # Circuit Diagram:

