

# ASSIGNMENT NO. 8

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## 1 The Boolean Expression For e

$$e = (A + C).(A + \overline{B}).(\overline{B} + \overline{D}) \quad (1)$$

## 2 K-Map

Realisation using k-map when its POS.

$CD \backslash AB$	$AB$			
	00	01	11	10
00	0	0	1	1
01	0	0	0	1
11	X	X	X	X
10	1	0	X	X

Figure 1: K-Map for  $e$  under given don't care condition.