

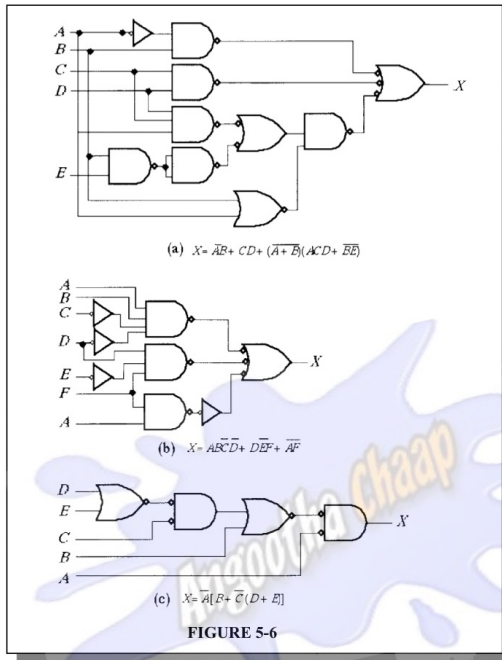
Chapter 5

2. (a) $X = \overline{AB} + \overline{A} + AC$

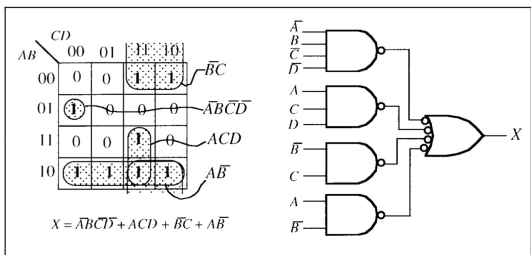
(b) $X = \overline{AB} + \overline{ACD} + DB\overline{D}$

7. $X = \overline{\overline{AB} + \overline{AB}} = \overline{\overline{AB}}(\overline{\overline{AB}}) = (\overline{A} + \overline{B})(A + B)$

12. See Figure 5-6.

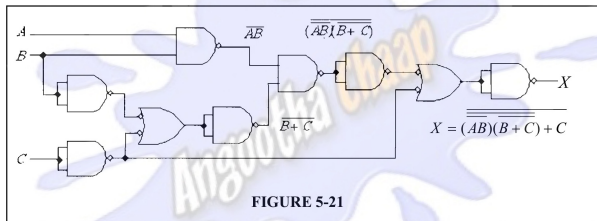


14. $X = \overline{A}B\overline{C}\overline{D} + \overline{A}BCD + \overline{A}B\overline{C}D + \overline{A}BC\overline{D} + \overline{A}B\overline{C}D + \overline{A}BC\overline{D} + \overline{A}BCD + ABCD$
See Figure 5-8.



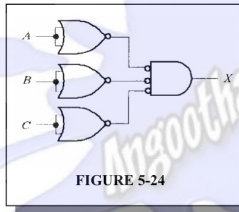
21. $X = \overline{\overline{(\overline{AB})(B+C)} + C}$

See Figure 5-21.



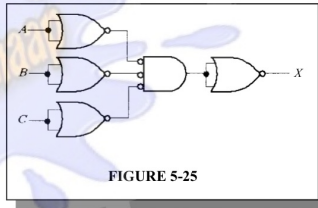
24. (a) $X = ABC$

See Figure 5-24.



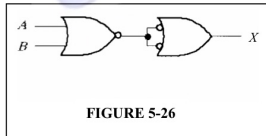
(b) $X = ABC$

See Figure 5-25.



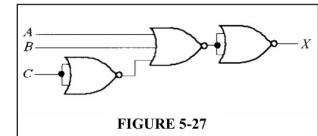
(c) $X = A + B$

See Figure 5-26.



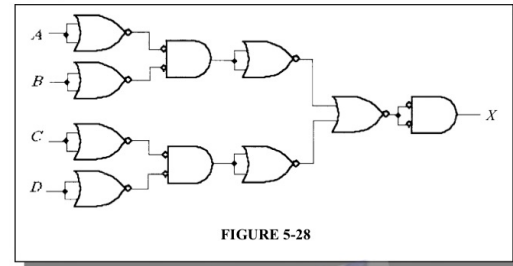
(d) $X = A + B + \bar{C}$

See Figure 5-27.



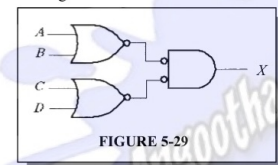
(e) $X = \overline{AB} + \overline{CD}$

See Figure 5-28.



(f) $X = (A + B)(C + D)$

See Figure 5-29.



(g) $X = AB[C(\overline{DE} + \overline{AB}) + BCE]$

See Figure 5-30.

