1) Using Q-M method, obtain all the
prime implicants for each of the
Dring Q-M method, obtain all the prime implicants for each of the Boolean expressions.
a) 1(w,x,y,z)=
Em (7, 9, 12, 13, 14, 15)
+dc (4,11)
b) d (w,x,4,3) = Em (0,2,6,8,10)
+ dc (1,4,7,11,13,14)
2) Design a 3:8 Decoder using
NAND gates.
3> Design a 16:1 multiplexes using
4:1 multiple xels
4> Design a master-Slowe JK Flip flop
5) Design a universal Shift logiste
Jos A-bits.