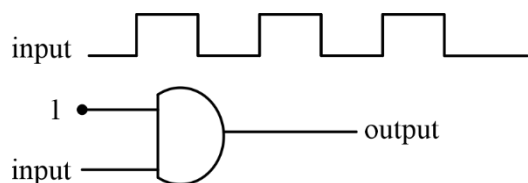# Branch:CSE & IT

Hinglish

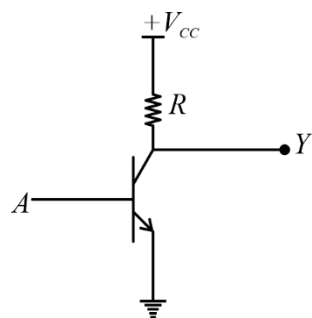# Digital Logic
Logic Gate

DPP-01

1. The input wave form is given

Draw output wave form

(a)

(b) 0 ――――――――

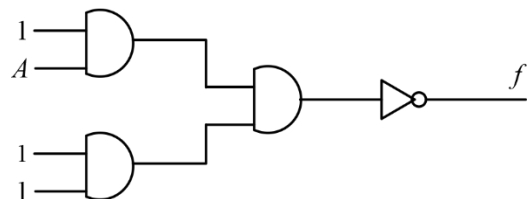(c) 1 ――――――――

(d)

2.

When $A = 1$ then the value of Y equal

(a) 0   (b) 1

(c) V_{CC} (d) none of the above
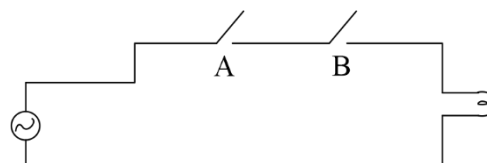
3.

Find value of f ?
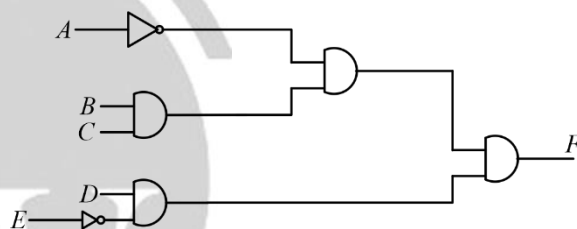
(a) 1   (b) 0

(c) A (d) $\bar{A}$

4. Bulb will glow when A and B are respectively.

(a) 00   (b) 01

(c) 10   (d) 11

5. Find expression of F
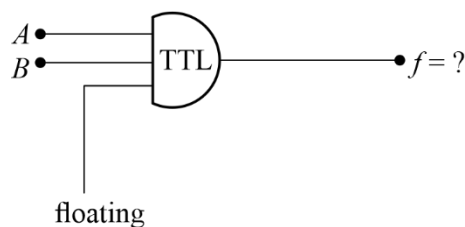

(a) $\bar{A}BC + D\bar{E}$ (b) $\bar{A}BCD\bar{E}$

(c) $(\bar{A} + BC)D\bar{E}$ (d) $\bar{A}BC(D + \bar{E})$

6. The inverter is _____ gate
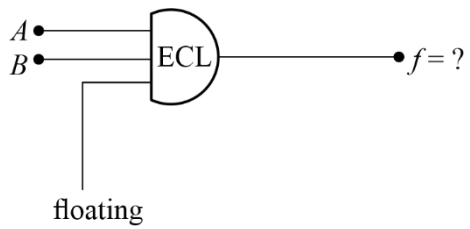
(a) AND   (b) OR

(c) NOT   (d) none of the above

7.

Find expression of f ?
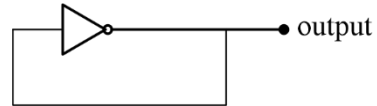
(a) AB (b) 1

(c) $A + B$ (d) $\overline{AB}$

8.

floating

Find expression of f?

(a) 0 (b) 1

(c) AB (d) $\overline{AB}$

09.

output

Find output frequency, if the propagation delay of NOT gate is $2\,n$ sec.

(a) 125 MHz (b) 500MHz

(c) 250 MHz (d) none of the above

Answer Key

1. (d)
2. (a)
3. (d)
4. (d)
5. (b)
6. (c)
7. (a)
8. (a)
9. (c)