

## PHYSICS

11. (1)

12. (1)

13. (3)

$$E = \frac{\Delta V}{\Delta x} = \frac{0.1}{10^{-6}} = 10^5 \text{ V m}^{-1}$$

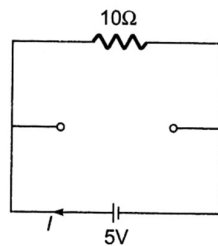
14. (4)

15. (2)

16. (1)

17. (2)

$$I = \frac{5}{10} = 0.5 \text{ A}$$



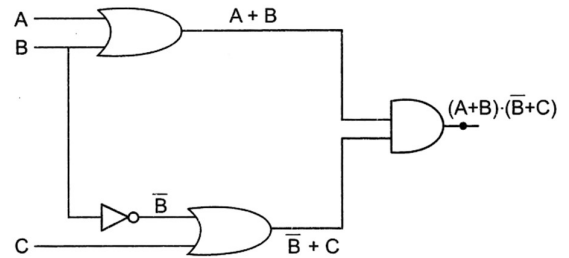
18. (2)

Since diode is in forward bias

$$i = \frac{\Delta V}{R} = \frac{4 - (-6)}{1 \times 10^3} = \frac{10}{10^3} = 10^{-2} \text{ A}$$

19. (2)

20. (2)



# PARISHRAMA NEET ACADEMY