NEET MOCK TEST
ANSWER KEY

1. (2)

2. (2)

$E_1 + E_2 \alpha \ell_1 \quad E_1 - E_2 \alpha \ell_2$

3. (1) $B = \mu_0 ni \quad = 4\pi \times 10^{-7} \times 5 \times 1000$

4. (1)

5. (1) $e = -L.\frac{dI}{dt}$

6. (4) E.M. Induction is not possible with dc sources

7. (4)

The direction of propagation is given by the poynting vector. $\vec{S} = \vec{E} \times \vec{H}$

8. (4)

$760 = 300\ (X_A) + 800\ (1-X_A)$

9. (4) $t_{90\%} = 3.32\ t_{1/2}$

10. (2) 11. (2) 12. (2)

13. (3)

14. (1)

$\log K = 0.3010 \qquad K = 2$

$\frac{1}{n} = \tan 45^\circ, n = 1$

$\frac{x}{m} = Kp^{1/n} = 2 \times (0.6)^1 = 1.2$

15. (2)

16. (3) 17. (3) 18. (2)

19. (4) 20. (2) 21. (1)

22. (4) 23. (4) 24. (4)

25. (2) 26. (3) 27. (2)

28. (3) 29. (1) 30. (4)