

## Karnataka 2nd PUC Physics 2024 Answer Key

### Part A MCQs

1. D)  $180^\circ$

2. B) 0.24 J

3. (C) Vector and its SI Unit is  $A/m^2$

4. (B) at any point inside the pipe is zero

5. A) Diamagnetism

6. B) No current will be induced in the coil

7. (C)  $4H$

8. A) L and C

9. (A)  $\mu_0 \epsilon_0 dE/dt$

10. (A) I is true, II is false

11. (C) Same as the above

12. (D) Their wavelength is negligibly small

	13. (B) Entire kinetic energy is converted into potential energy
	14. (D) repulsive for distance $r < 0.8$ fm
	15. (C) Neutral
<b>Part B MCQs</b>	16. Increasing
	17. Decreasing
	18. Diffraction
	19. Helium
	20. Greater