

# Physics PYQ 2023

## Physics Previous Year Question Paper (2023)

### Section A (Multiple Choice)

1. The unit of electric flux is:

- a) N/C
- b) V/m
- c) V-m
- d) N-m/C

2. Which of the following is not an electromagnetic wave?

- a) X-rays
- b) Gamma rays
- c) Beta rays
- d) Radio waves

### Section B (Theory)

3. State Gauss's Law in electrostatics.

4. Derive the expression for capacitance of a parallel plate capacitor.

5. Explain the phenomenon of interference of light.

### Section C (Numericals)

6. A convex lens of focal length 20cm is placed in contact with a concave lens of focal length 10cm. Find the power of the combination.