

Capacitance MCQ Questions & Answers Pdf

1. Which of the following does not change when a glass slab is introduced between the plates of a charged parallel plate capacitor?

- a. electric charge
- b. electric energy
- c. capacitance
- d. electric field intensity

Ans: A

2. A dielectric is introduced between the plates of a capacitor kept at a constant potential difference. The charge on the capacitor

- a. increases
- b. decreases
- c. remains the same
- d. none of above

Ans: C

3. The charging of a capacitor through a resistance follows

- a. linear law
- b. square law
- c. exponential law
- d. none of the above

Ans: C

4. A trimmer is a variable capacitor in which capacitance is changed by changing

- a. distance between plates
- b. plate area
- c. both a and b
- d. dielectric

Ans: A

5. The capacitance of a capacitor is _____ relative permittivity.

- a. directly proportional to
- b. inversely proportional to
- c. independent of
- d. directly proportional to square of

Ans: A