

CBSE Class 12 Physics Answer Key 2026 for 55/5/3

Q) A good diode checked by a multimeter should indicate:

- a) high resistance in reverse bias and a low resistance in forward bias.
- b) high resistance in both forward bias and reverse bias.
- c) low resistance in both reverse bias and forward bias.
- d) high resistance in forward bias and low resistance in reverse bias.

Current Answer: a) high resistance in reverse bias and a low resistance in forward bias.

Q) A square loop of side 0.50m is placed in a uniform magnetic field of 0.4 T perpendicular to the plane of the loop. The loop is rotated through an angle of 60 degree in 0.2s. The value of emf induced in the loop will be?

- a) 5 V
- b) 3.5 V
- c) 2.5 V
- d) Zero V



Correct Answer: c) 2.5 V

Q) Which of the following statements is not true for electric energy in ac form compared to that in dc form?

- a) Production of ac is economical.
- b) ac can be easily and effectively converted from one voltage to the other.
- c) ac can be transmitted economically over long distance.
- d) ac is less dangerous.

Correct Answer: d) ac is less dangerous.

Q) The energy of an electron in an orbit in Hydrogen atom is -3.4eV . Its angular momentum in the orbit will be?

Correct Answer: c) h/π

Q) The radius of a nucleus of mass number 125 is?

Correct Answer: a) 6 fm

