

TEST FOR
ELECTRICAL ENGINEERS

Choose the correct answer.

1. Magnitude of free space permittivity is

- (a) 8.85×10^{-12} F/m
- (b) $4\pi \times 10^{-7}$ H/m
- (c) Unity
- (d) Zero

Correct Answer: a

2. Most commonly employed trivalent impurities are

- (a) boron, indium
- (b) arsenic, antimony
- (c) boron, arsenic
- (d) indium, antimony

Correct Answer: a

3. A P-N-P-N diode is fabricated from

- (a) silicon only
- (b) germanium only
- (c) Germanium or silicon
- (d) gallium arsenide

Correct Answer: a

4. Voltage gain of an amplifier in common base configuration is

- (a) always less than one
- (b) unity
- (c) the less of all types
- (d) the maximum of all the three configuration

Correct Answer: d
