Quiz 4

Phy-106

The respondent's email address (**201370217@gift.edu.pk**) was recorded on submission of this form.

Drift velocity of electrons is due to * 2 points

- [ ] motion of conduction electrons due to random collisions.
- [x] motion of conduction electrons due to electric field E
- [ ] repulsion to the conduction electrons due to inner electrons of ions.
- [ ] collision of conduction electrons with each other.

In the absence of an electric field, the mean velocity of free electrons in a conductor at absolute temperature (T) is * 2 points

- [x] zero
- [ ] independent of T
- [ ] proportional to T
- [ ] proportional to T-2

When a potential difference V is applied across a conductor at a temperature T, the drift velocity of electrons is proportional to * 2 points

- ○ volume
- ◉ P.D V
- ○ Temperature
- ○ none of these
- ○ Other: .....

Across a metallic conductor of non-uniform cross section a constant potential difference is applied. The quantity which remains constant along the conductor is * 2 points

- ○ Current density
- ◉ Current
- ○ Drift velocity
- ○ Electric field

The current which is assumed to be flowing in a circuit from positive terminal to negative, is called * 2 points

- ○ Electronic Currentt
- ○ pulsating current
- ○ Direct Current
- ◉ None of These