

PHY204

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1. \_\_\_\_\_ give the way in which the basic vectors change when they are incident on the surface of discontinuity in dielectric behaviour.

--->> Boundary conditions

Atomic Polarisability

Dielectric

Molecular Polarisability

2. The process in which a breakdown potential is obtain is called \_\_\_\_\_

Breakup polarization

Breakdown polarization

All of these

--->> None of these

3. Who experimentally found that when an insulating material also called dielectric is introduced between the two plates of a capacitor, it is found that the capacitance is increased by a factor which is greater than one.

--->> Faraday

Newton

Amphere

Gauss

4. The following are examples of Non-polar molecules, EXCEPT

Air

--->> Water

Hydrogen

Carbon

5. \_\_\_\_\_ consists of a positively charged nucleus and negatively charged particles, with

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Molecule

Compound

Mixture

--->> Atom

6. When a fast moving electrons collide with the other atoms and multiply in number. This will result in the flow of conduction current. The minimum potential that causes the charge separation is known as the \_\_\_\_

Breakup polarization

Breakdown polarization

Breakup potential

--->> Breakdown potential

7. What is the other na for electric dipole moment per unit volume?

--->> polarisation

pole

charge

tripole moment

8. \_\_\_\_ may be constituted by atom of the same kind, or of different kinds.

--->> Molecule

Compound

Mixture

Atom

9. The field strength at which the dielectric is about to break down is known as the \_\_\_\_

--->> Dielectric Strength

Dielectric Breakdown

Dielectric Stream

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10. The following are examples of polar molecules, EXCEPT

--->> Air

Water

Glass

Non of these

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