



Module 2 Unit 2

DIELECTRICS - QUESTIONS

(As per Revised Curriculum SVU R-2023)

1. All dielectrics are insulators but all insulators are not dielectrics – justify the statement.
 2. Differentiate between conductors and dielectrics.
 3. Find the relation between electric field, electric displacement and dielectric polarization.
 4. What are different types of polarization? State examples for each.
 5. What is electronic or atomic polarization? Explain with diagrams.
 6. What is ionic polarization? Explain with diagrams.
 7. What is orientational polarization? Explain with diagrams.
 8. What is space-charge polarization? How it is different than other types of polarization?
 9. What are polar and non-polar molecules? Give examples for both.
 10. Find the relation between dielectric constant and polarizability.
 11. Discuss frequency dependence of dielectric constant.
 12. State different applications of dielectric materials.
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