



QUESTIONS FOR PRACTICE

- 1. What are the criteria for a molecule being liquid crystalline? Give typical representation of a liquid crystal molecule. What are thermotropics and Lyotropics Liquid Crystals?
- 2. Explain director and parameter of Liquid Crystals.
- 3. What are different phases of thermotropic liquid crystals? Explain any one phase in detail with diagram
- 4. Explain in brief the different phases and the properties of Liquid crystals.
- 5. What is liquid crystal? Why it is called mesomorphic state of matter? With diagram explain three different phases of thermotropic liquid crystals.
- 6. Give classification of liquid crystals. With the help of neat diagram, explain cholesteric liquid crystal. What is pitch in cholesteric liquid crystal.
- 7. Explain nematic liquid crystal with the help of diagram.
- 8. What is smectic liquid crystal? Explain with diagram.
- 9. Explain display applications of liquid crystals.

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