



- (b) Conducting polymers and their importance in daily life (3)
- (c) Lower and upper critical solution temperature (3)
4. (a) What do you mean by silicon rubber? Give its applications in daily life. (4)
- (b) Discuss the mechanism for the polymerisation of ethylene in the presence of organic peroxide as catalyst. (5)
5. (a) Discuss the light scattering method for the determination of molar masses of polymers. (3)
- (b) Write notes on plasticizer & give suitable examples. (3)
- (c) Write the synthesis of novalac & give its industrial applications. (3)
6. (a) What are the criteria for solubility of any polymer? (3)
- (b) How will you classify polymer on the basis of structure? (3)
- (c) Write a note on texture of polymers. (3)
7. Explain the following terms :
- (a) Acrylic polymers (3)
- (b) Solubility parameters (3)
- (c) Polydispersity index (PDI) (3)