

## INTERNAL ASSESSMENT FOR POLYMER CHEMISTRY

- Q1:- What do you mean by silicon rubber? Give its application in daily life.
- Q2:- What do you mean by functional polymers and give their application?
- Q3:- How will you synthesize polystyrene (PS) from benzene and polyvinyl chloride from acetylene.
- Q4:- Explain the role of inhibitor in polymer chemistry.
- Q5:- What are living polymers?
- Q6:- What are conducting polymers and their importance in daily life.
- Q7:- Discuss the mechanism for the polymerization of ethylene in the presence of organic peroxide as catalyst.
- Q8:- What are plasticizers and give its industrial application.
- Q9:- What are acrylic polymers?
- Q10:- Differentiate between random and block copolymer with appropriate examples.

Q11:- Give the synthesis of novalac and its industrial application.

Q12:- Give the classification of polymer on the basis of structure.

Q13:- Define  $T_g$  and factors affecting of polymer.

Q14:- what do you mean by lower and upper critical solution temperature.

Q15:- what are the criteria for the solubility of any polymer?

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All of you submit this assignment with in a week on email id-  
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