

Semester-VI, B.Sc. (Industrial Chemistry) Examination

Paper- IC-602: Polymer Chemistry

Paper Code: 4650

*March-2015*

Time: 2.30 Hours

Total Marks: 70

- Que.1 (A) Give brief account on Co-ordination polymerization. 10  
(B) Write about Ionic polymer. 04  
OR
- Que.1 (A) Explain manufacture of Poly vinyl chloride with flow sheet diagram. 10  
(B) Give the synthesis of Saran. 04
- Que.2 (A) Give the classification and nomenclature of Polymer. 10  
(B) Give uses of Polyvinyl Chloride. 04  
OR
- Que.2 (A) Discuss industrial production of Nylon – 6, 6. 10  
(B) How Resol resin manufacture? 04
- Que.3 (A) How industrially Polystyrene was manufacture? 10  
(B) How do mean by Bulk polymerization? 04  
OR
- Que.3 (A) Discuss industrial production of U.F. resin. 10  
(B) What is Terylene? State its uses. 04
- Que.4 (A) Give brief account on Epoxy resin. 10  
(B) Give uses of Cellulosic fibre and Orlan. 04  
OR
- Que.4 (A) What are Phenolic resins? Give industrial production of any one. 10  
(B) Write a short note on Vinyon. 04
- Que.5 (A) Give brief account on N.B.R. 10  
(B) Give chemical reaction and application of Polyvinyl alcohol. 04  
OR
- Que.5 (A) Give brief account on Buna - S Rubber. 10  
(B) Write a short note on Novalak resin. 04