

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

October / 2015

Paper- IC-602: Polymer Chemistry

Paper Code: 4650

Time: 2.30 Hours

Total Marks: 70

- Que.1 (A) What are olefins? Give the manufacture of Polyethylene by high pressure method. 10
(B) Write about Thermoplastic Polymer. 04
OR
- Que.1 (A) What is chain polymerization? Explain role of chain transfer and Inhibitor in it. 10
(B) Give short note on Emulsion polymerization. 04
- Que.2 (A) What is polymerization? Explain its type with example. 10
(B) Give uses of SBR rubber. 04
OR
- Que.2 (A) How industrially Vinyl acetate was manufactured? Explain it with flow sheet diagram. 10
(B) Write a short note on Teflon. 04
- Que.3 (A) With flow sheet diagram explain industrial production of Viscose Rayon. 10
(B) Write a short note on Step reaction polymerization. 04
OR
- Que.3 (A) Give industrial production of Phenyl Formaldehyde resin with flow diagram. 10
(B) Write a short note on Orlan. 04
- Que.4 (A) How industrially Nylon – 6,6 was manufacture? 10
(B) State chemical reaction of Bakelite. 04
OR
- Que.4 (A) Give preparation of Melamine with flow diagram. 10
(B) Write about Suspension Polymerization. 04
- Que.5 (A) Give brief account on Neoprene Rubber. 10
(B) Write about Thermosetting Polymer. 04
OR
- Que.5 (A) Give brief account on Buna - N rubber. 10
(B) What is polymer? Explain it with example. 04