

**Question Bank (G scheme)**

**Name of subject: Chemical Process Technology-2**

**Subject code:17427**

**Semester: IV**

**Unit Test :II**

**Course : SYCH**

**Chapter -4. Pulp and paper (12 marks)**

1. Name various methods used for manufacture of pulp. Explain mechanical method.(4)
2. Explain Kraft process for manufacturing of pulp.(4)
3. Explain the recovery of chemicals form black liquor.(3)
4. Explain manufacturing of paper.(4)
5. Explain manufacturing of rayon.(3)
6. Draw process flow diagram for manufacturing of rayon.(3)
7. List out eight types of papers with their uses.(4)

**Chapter-5. Polymer (24 marks)**

1. Explain any two types of polymeriasation with example.(3)
2. Write two uses each of 1) PVC 2) Polyethylene 3) Polystyrene 4) Polyester(4)
3. Explain manufacturing of PVC with reaction.(4)
4. Draw process flow diagram for PVC manufacturing(4)
5. Explain manufacturing of Polyethylene.(4)
6. Draw process flow diagram for manufacturing of polystyrene.(3)
7. Explain manufacturing of thermocol.(3)
8. How residual catalyst is destroyed in Ziegler process? Why it is necessary?(4)
9. Explain manufacturing of plastic.(4)
10. Draw process flow diagram for manufacturing of polyethylene.(4)

**Chapter-6. Phenol (16 marks)**

1. Explain manufacturing of phenol by cumene process.(3)
2. Draw process flow diagram for manufacturing of phenol by cumene process. (4)
3. Explain manufacturing of phenol by toluene process(4)
4. Draw process flow diagram for manufacturing of phenol by toluene process.(4)
5. Explain manufacturing of phenol by Raschig process.(3)
6. Draw process flow diagram for manufacturing of phenol by Raschig process.(4)
7. Write properties and uses of phenol.(4)
8. Explain reaction involved in manufacturing of phenol by cumene process and toluene oxidation process.(4)