

Question Bank

Program: CH

Semester: Third

Name of course: Technology of Organic Chemicals

Course code: 22410

Unit Test 2

Chapter 4-Polymers (14marks)

2 marks question

1. List enzymes used in alcohol manufacturing.
2. Define addition polymerization.
3. Write any properties of polymers.
4. Write raw material required for manufacturing of PVC.
5. List raw materials required for manufacturing of polyester,

4 marks question

6. Draw process flow diagram for manufacturing of vinyl chloride.
7. Describe manufacturing of polyethylene by high pressure process.
8. Write the reaction involved in manufacturing of polyester.
9. Draw PFD of Ziegler process for polyethylene.
10. Write any two properties and four applications of polycarbonate.

Chapter 5Phenol(14marks)

2 marks question

11. Write reaction involved in manufacturing of phenol by cumene peroxidation.
12. Write any two important properties of phenol.
13. List any four industrial applications of phenol
14. List raw material required for Raschig process.

4 marks question

15. Draw process flow diagram for manufacturing of phenol by Raschig process.
16. Explain manufacturing of phenol by cumene process.
17. Draw PFD of phenol manufacturing by cumene process
18. Explain manufacturing of phenol by toluene process

Chapter 6Pulp and Paper(10marks)

2 marks question

19. List Name any four raw materials used for manufacturing of pulp.
20. Write name of processes used for manufacturing of pulp.
21. List eight types of papers.
22. Write names of chemicals used in Kraft process.

4 marks question

23. Draw Describe manufacturing of paper with mentioning moisture content in drying rolls.
24. Explain manufacturing of pulp by Kraft process.
25. Explain recovery of chemicals from black liquor.