

QUESTION BANK - Unit Test 1

Subject: CPT2 (17427)

Chapters Covered :-

Ch. 1. Alcohol

Ch.2 . Paints

Ch.3. Oil, Soaps & Detergents (partly)

3 Marks questions:

- 1 Define fermentation
- 2 List raw material used for manufacture of alcohol from molasses
- 3 List raw material used for manufacture of alcohol from corn
- 4 List enzymes used for fermentation
- 5 Write reactions involved in ethanol manufacture from molasses.
- 6 Write 4 properties of ethanol
- 7 Write 4 uses of ethyl alcohol in India
- 8 List down reactions in manufacturing ethanol from corn
- 9 What are the properties of acetic acid?
- 10 List down 4 uses of acetic acid
- 11 Define paint
- 12 State 4 requirements for surface coating
- 13 What are the functions of paint
- 14 What is the difference between paint and varnish?

4 Marks questions:

- 15 What are the steps in manufacture of ethanol from molasses?
- 16 Describe quick vinegar process with picture
- 17 Describe process of making alcohol from corn
- 18 Give 4 raw materials for paint with examples and purpose
- 19 Name 5 types of pigment and describe any one of them
- 20 Draw block diagram flow sheet for manufacture of paint
- 21 What are the constituents of paint?
- 22 How is PVC in paint calculated? Give PVC percentage for 4 different paints
- 23 Name the two processes for TiO₂ manufacture. Give the reactions involved.
- 24 Define Acid value of oil. What is its importance?
- 25 Explain solvent extraction method for oil.

QUESTION BANK - Unit Test 2

Subject: CPT2 (17427)

Chapters covered :-

Ch.3. Oil, Soaps & Detergents (partly)

Ch.4. Paper Pulp and Rayon

Ch.5. Polymer

Ch.6. Phenol

3 Marks questions:

1. Define Iodine value
2. Define Saponification Value
3. Give the uses of hydrogenation
4. What are soaps and detergents?
5. Name four sources of cellulose for manufacture of paper
6. Write the reactions involved in sulphate process
7. What are the reactions in rayon manufacturing?
8. Write 3 properties of rayon and its 3 uses.
9. Describe methods of polymerization reaction?
10. Name two manufacturing processes of phenol and two applications of phenol

4 Marks questions:

1. Explain Hydrogenation of oil.
2. Draw flow diagram for Hydrogenation of oil
3. Give comparison of soaps and detergents
4. Draw flow sheet for continuous soap manufacture
5. What is the cleansing action of soap? Explain how soap cleans a fabric, with picture.
6. Compare sulphate and sulphite process for pulp manufacture
7. Draw flow sheet for black liquor recovery. Label each equipment.
8. List 6 important types of paper, with example
9. Describe rayon manufacturing process
10. Draw flow sheet for paper manufacturing, with moisture content in various zones.
11. Draw flow sheet for Ziegler process for Polyethylene manufacture
12. Give industrial uses of PVC / Polystyrene / Polyethylene and Polyester.
13. What is the process for manufacturing Poly vinyl chloride? What are the reactions involved?
14. Draw block diagram for manufacture of Thermocol and give the process description for same.
15. What is the structural formula of Phenol? Name 5 different production methods for Phenol.