

**5th Sem. / Chemical, Chemical (Pulp & Paper)
Subject : Paint Technology**

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)

- Q.1 Pigments provide _____ to paint film. (CO1)
a) Strength b) Colour
c) Opacity d) All of these
- Q.2 The capacity of a pigment to change the color of white base is known as (CO1)
a) Refractive Index b) Hiding power
c) Tinting strength d) Bleeding
- Q.3 Term PVC is defined as percentage of pigment in the _____. (CO3)
a) Total volume of Solids in paint
b) Total volume of liquids in paint
c) Total volume of solids & liquids in paint
d) None of these
- Q.4 Water based paint also known as (CO1)
a) Acrylic paints b) Latex paints
c) Alkyds paints d) Acrylics & Latex paints

- Q.5 Which of following is an example of white pigment (CO1)
- a) Titanium-di-oxide
 - b) Ketone
 - c) Vinyl chloride
 - d) Red Lead
- Q.6 Finish coat is also known as _____. (CO3)
- a) Primer coat
 - b) Under coat
 - c) Top coat
 - d) All of these

Section-B

Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)

- Q.7 Write name of any dispersion equipment used for paint manufacturing. (CO2)
- Q.8 Name a technique of applying paint to a metal surface. (CO3)
- Q.9 Write any one example of black pigment. (CO1)
- Q.10 Define Paint failure. (CO4)
- Q.11 Write one application of special purpose coatings. (CO3)
- Q.12 Write any one causes of paint failure. (CO4)

Section-C

Note: Short answer type Question. Attempt any eight questions out of Ten Questions. (8x4=32)

- Q.13 Define solvent and write about types of solvent used in the paint manufacturing. (CO1)

- Q.14 Write about the need and importance of surface coating in brief. (CO1)
- Q.15 Describe the process for manufacturing of paint with flow sheet. (CO2)
- Q.16 Explain role of roller mill used in paint manufacturing with neat diagram. (CO2)
- Q.17 Describe interior flat paint and exterior flat paint in brief. (CO2)
- Q.18 Explain the term undercoat and final coat in brief. (CO1)
- Q.19 Write a note on special effect additives used in paint formulation. (CO1)
- Q.20 What are requisite of good paint. (CO1)
- Q.21 Describe significance of term PVC and CPVC in paint industry. (CO3)
- Q.22 Give a brief classification of pigment. (CO1)

Section-D

Note: Long answer questions. Attempt any two questions out of three Questions. (2x8=16)

- Q.23 What do you understand by term paint failure? Discuss the some important type of paint failure in detail. (CO4)
- Q.24 Write the types of paint coating methods/techniques and explain roller coating and dip coating in detail. (CO3)
- Q.25 Describe in detail about varnishes and lacquers in paint industries. (CO3)