

- Q.28 Explain oil based paints?
- Q.29 What is difference paint and electroplating?
- Q.30 Describe skinning and tackiness of paint in brief.
- Q.31 What is the characteristics of pigment?
- Q.32 Describe powder coating technique for a paint coating.
- Q.33 Write difference between alkyl and acrylic resin.
- Q.34 How epoxy resin is useful in paints.
- Q.35 Describe the procedure for coating a material.

Section-D

Note: Long answer Questions. Attempt any two Questions out of three Questions. $(2 \times 10 = 20)$

- Q.36 Write short note:
- a) Catalytically active agent.
 - B) Water based paint.
- Q.37 Write the types of coating methods technique. Explain construction and working of spray coating technique.
- Q.38 Describe in detail about the varnishes and lacquers in paint industry.

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Branch : Chemical Engg.

Subject : Paint Technology

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note : Multiple choice questions. All questions are compulsory. $(10 \times 1 = 10)$

- Q.1 What
- Q.1 Paint film becomes powder due to :
- a) Bad workmanship
 - b) Wrong choice
 - c) Insufficient oil in the primer
 - d) Moisture
- Q.2 Which of the following is NOT a vehicle in paints?
- a) Linseed Oil
 - b) Tung oil
 - c) poopy oil
 - d) Turpentine oil
- Q.3 When paint is applied in three coats, the first coat is known as :
- a) Stopping
 - b) Finishing coat
 - c) Under coat
 - d) Priming coat
- Q.4 Which of the below is a pigment imparting brown color?
- a) Raw sienna
 - b) Soot
 - c) Burnt sienna
 - d) Ultramarine

Q.5 The component of filler in the paint does the function of:

- a) absorbing oxygen b) Reducing cost
- c) Consistency d) Smooth spreading

Q.6 Which defect occur if a paint is applied excessively thick?

- a) Grinning b) Running
- c) Wrinkling d) Flaking

Q.7 The _____ varnishes dry slowly, but they form hard and durable surfaces.

- a) Oil b) Spirit
- c) Water d) Turpentine

Q.8 The base material of distemper is :

- a) Lime b) Chalk
- c) Clay d) Line putty

Q.9 which of the following is the most durable varnishes?

- a) Oil varnish b) Spirit varnish
- c) Turpentine varnish d) Water varnish

Q.10 Lead is used as _____ in paint.

- a) Base b) Carrier
- c) Drier d) Pigment

Section B

Note: Objective type Questions. All Questions are compulsory. (10x1=10)

Q.11 Name one solvent.

Q.12 Name one additive.

Q.13 Expand PVC.

Q.14 Write one method of cleaning the article before painting.

Q.15 Define thinner.

Q.16 Wha is varnish?

Q.17 What is putty?

Q.18 What is the name given to the compound, which is added during paint formulation to enhance the capabilities of pigment used?

Q.19 Write one use of electroplating?

Q.20 Write the units in which hiding power expressed.

Section-C

Note: Short answer type Questions. Attempt any twelve Questions out of fifteen Questions. (12x5=60)

Q.21 Draw the flow sheet and describe the process for the manufacturing of a paint.

Q.22 Write on any organic pigment.

Q.23 What are the advantages of using extenders in paint formulations?

Q.24 Describes the different types of solvents used in the manufacture of paint?

Q.25 What is difference between dip coating and spray coating?

Q.26 Describe the different constituents of a varnish in brief.

Q.27 What are lacquers? Write uses of Lacquers.