

- Q.20 What do you understand by term paint formulation explain in brief. (CO3)

Q.21 Discuss the important paint defects in brief. (CO4)

Q.22 Explain the term Pigment volume concentration in paint formulation. (CO3)

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SECTION-D

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

- Q.23 Explain the complete process for manufacture of paint with the help of flow sheet in detail. (CO2)

Q.24 Describe in detail about varnishes and lacquers in paint industries. (CO3)

Q.25 What are the important constituents of paint Explain each constituent in detail and also explain their importance in paint formulation. (CO1)

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Constituent of paint uses to reduce viscosity of paint
is known as (CO1)

 - a) Pigment
 - b) Additives
 - c) Binder
 - d) Thinner

Q.2 In paint manufacturing, pigment particles should be _____ in Vehicle. (CO2)

 - a) Soluble
 - b) Insoluble
 - c) Partially soluble
 - d) All of these

Q.3 Paint which is used to form smooth and shiny film is called as (CO3)

 - a) Emulsion paint
 - b) Enamel paint
 - c) Exterior paint
 - d) None of these

Q.4 Paint has mainly consist of _____ important constituents. (CO1)

- a) Two
- b) Three
- c) Four
- d) Five

Q.5 Zinc oxide is an example of (CO1)

- a) White pigment
- b) Red pigment
- c) Blue pigment
- d) Yellow pigment

Q.6 In _____ method, the article to be paint is completely immersed in large tanks filled by paints. (CO3)

- a) Powder coating
- b) Electro depositing
- c) Dip coating
- d) Spray coating

SECTION-B

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

Q.7 Name one inorganic pigment used in the manufacturing of paint. (CO1)

Q.8 Why additives are used in paint manufacturing. (CO1)

Q.9 Liquid Constituents of paint are known as _____ (Varnish/Vehicle) (CO1)

Q.10 Name any one paint Failure. (CO4)

Q.11 Write one advantage of latex paint over oil based paint. (CO4)

Q.12 Expand PVC in formulation of paint. (CO3)

SECTION-C

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

Q.13 Write a short note on extender pigments. (CO1)

Q.14 Describe spray coating method of paint application in brief. (CO3)

Q.15 Explain need of surface coating in brief. (CO1)

Q.16 Describe powder coating technique of paint application in brief. (CO3)

Q.17 Write a short note on undercoat and final coat. (CO1)

Q.18 Describe about Ball mill used in paint manufacturing. (CO4)

Q.19 Explain thickening agents and antifoaming agents with examples. (CO1)