

SECTION-D

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

Q.23 Write short note on:

- a) Varnishes and Lacquers (CO2)
- b) Brush coating technique (CO3)

Q.24 Explain in detail the need for surface coating. (CO1)

Q.25 Discuss any four paint defects. (CO4)

- a) Peeling
- b) Blushing
- c) Aging
- d) Aeration
- e) Sagging
- f) Hazing

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Roll No.

5th Semester/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 Which of the following is not used as a binder in paint? (CO1)

- a) Polyester
- b) Alkyds
- c) Vinyl
- d) Titanium-di-oxide

Q.2 Release of constituents of the paint film in the form of powder is called. (CO4)

- a) Blistering
- b) Chalking
- c) Erosion
- d) Lifting

Q.3 Which of the following is inorganic pigment? (CO1)

- a) BON red
- b) Hansa yellow
- c) Red lead
- d) Toluidine red

- Q.4 Which of the following mill contains two S shaped, intermeshing blades? (CO2)
- a) Pug mill b) Ball mill
c) Roll mill d) Pebble mill
- Q.5 The degree of stickiness of a paint film after a given drying time is called. (CO4)
- a) Settling b) Skinning
c) Tackiness d) Peeling
- Q.6 Manufacturing of paint is basically a _____ process. (CO2)
- a) Physical b) Chemical
c) Natural d) Electrolysis

SECTION-B

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

- Q.7 Write full form of PVC w.r.t. paint industry. (CO2)
- Q.8 Define Tinting Strength. (CO1)
- Q.9 Name the special effect additive use to kill bacteria which attack water borne paint. (CO1)
- Q.10 Define Chalking w.r.t. to paint defect. (CO4)

- Q.11 Define Refractive index. (CO1)
- Q.12 Name any one extender pigment. (CO1)

SECTION-C

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

- Q.13 Explain in brief powder coatings. (CO3)
- Q.14 Describe in brief pug mill. (CO2)
- Q.15 Explain in brief pigment to binder ratio and solid content. (CO3)
- Q.16 Describe in brief spray coating technique. (CO3)
- Q.17 Discuss in brief causes of paint failure. (CO4)
- Q.18 Describe in brief coagulation and foaming paint defects. (CO4)
- Q.19 Explain briefly Lake and Putty. (CO1)
- Q.20 Discuss in brief types of Binders uses in paint industry. (CO1)
- Q.21 Explain in brief types of Solvents used in paint industry. (CO1)
- Q.22 Write a short note on special effects additives used in paint manufacturing industry. (CO1)