

### SECTION-C

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

Q.3 Draw a neat flow sheet of paint manufacturing process and Explain in detail.

Q.4 Write Various types of additives. Explain in detail surface modifiers, leveling agents and corrosion inhibitors.

Q.5 Discuss various electroplating methods in industry.

Q.6 Write short notes on :-

- (i) Quantitative aspects of Electrolysis
- (ii) Faraday's First law.

Q.7 Write short notes on :-

- (i) Uses to Electroplating
- (ii) Classification of paint architectural coating.

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**6th Sem. / Chemical Engg.**

**Subject : Paint Technology**

Time : 3 Hrs.

M.M. : 100

### SECTION-A

**Note:** Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

Q.1 a) What is Printing ink?

b) Define Shellac?

c) Expand PVC.

d) Define electrolysis.

e) Name two binders.

f) What is additives?

g) Give Enamel.

h) Give two properties of pigment.

i) Define flame Retardants.

- j) Define opacity.
- k) What is peeling?
- l) Define primer final coat.
- m) What is Solvent?
- n) Define Coagulation.
- o) What do you mean by 'Putty'?
- p) Write pigment to binder ratio.
- q) What do you mean by blistering?
- r) Define Hazing.
- s) Define Varnish.

### SECTION-B

**Note:** Short answer type questions. Attempt any ten parts 10x4=40

- Q.2 i) Define brush coating and roller coating.
- ii) Define terms :-
- (a) Bleeding

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- (b) Blooming
- (c) Sagging
- iii) Write short note on plug mill.
- iv) Explain significance of solvents.
- v) Explain thickening and surface active agents.
- vi) Write short note on special effect additives.
- vii) Write causes for paint defects.
- viii) Explain Faraday's second law of electrolysis.
- ix) Name methods of cleaning articles before electro-deposition.
- x) Explain organic and in inorganic pigments.
- xi) Write difference between electroplating on metals and on plastics.
- xii) Define thickening and tackiness.
- xiii) Define Lacquers.
- xiv) Define solid content.
- xv) Define Hiding power.

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