Q.26 Explain in brief the classification or types of binders used in paint manufacturing.

Q.27 Explain in brief OEM paint and high performance maintenance paint.

Q.28 Write short note on varnishes.

Q.29 Explian in Brief Brush coating and Electro deposition Coating technique of Paint application .

Q.30 Explain in brief Aeration and Bleeding paint defect.

Q.31 Describe the Paint manufacturing process with the help of flow sheet.

Q.32 Discuss the uses and effec of electroplating.

Q.33 Discuss any two methods of cleaning articles before electrodeposition.

Q.34 Explain in brief the causes of paint failure.

Q.35 Explain in brief chalking and skinning paint defect.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 State the two faraday's law of electrolysis. Also discuss the difference between electrochemical and electrolytic cell.

Q.37 Explain in detail the need of surface coating.

Q.38 Write short notes on any two of the following:

a) Hydrogenated solvents.

b) Extruders

c) Pigment volume concentration and solid content

d) Powder coating

Roll No. .....

6th Sem / Chem

Subject:- Paint Technology

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 Relative capacity of a pigment of impart color to the white base.

a) Thinner b) Vehicle

c) Tinting strength d) Stain

Q.2 Liquid portion of a paint or printing ink.

a) Vehicle b) Tonar

c) Shellac d) putty

Q.3 Which of the following is water based paint?

a) Acrylic paint b) latex paint

c) Both of a and b d) AIkyd paint

Q.4 The degree of stickiness of a paint film after a given drying time.

a) Settling b) Skinning

c) peeling d) Tackiness

Q.5 In which of the following technique the Substrate to be a painted is immersed in a tank containing large Quantity of paint.

a) Brush coating b) Dip coating

c) Electro deposition d) Powder coating

Q.6 Formula for refractive index is (where C=speed of light in vacuum, V = speed of light in medium)

a) V/C b) V*C

c) C/V d) none of these

Q.7 Solvents _____ during the drying of paint

a) condensates b) Evaporates

c) Boils d) None of these

Q.8 Architectural coating includes

a) Exterior paints b) Interior paints

c) Both a & b d) None of these

Q.9 Which of the following is a method of spray coating?

a) Air spraying b) Airless spraying

c) Both a & b d) All of these

Q.10 Electrolytic cell converts electrical energy into _____ energy.

a) Chemical b) Mechanical

c) Kinetic d) Potential

SECTION-B

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

Q.11 Name any two benefits of surface coating.

Q.12 Write any one use of electroplating.

Q.13 Write full form of CPVC.

Q.14 Name a white pigment used in paint industry.

Q.15 Name a technique of applying paint to metal surface.

Q.16 Name any one special purpose coating.

Q.17 Write the unit in which hiding power of pigment is expressed.

Q.18 Write one advantage of water base paint over oil based paint.

Q.19 Define light fastness.

Q.20 Define blistering.

SECTION-C

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

Q.21 Explain the term primer, under coat and final coat.

Q.22 Explain in brief any two properties of pigment.

Q.23 Explain in brief thickening agents and antifoam agents used in paint formulation.

Q.24 Explain the working of ball mill with the help of neat diagram.

Q.25 Mention any five uses or significance of solvent in paint formulation.