

SECTION-C

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

Q.3 Describe the manufacturing & uses of Ammonia.

Q.4 Discuss and Draw flow sheet for continuous process for fatty acids.

Q.5 What is distillation Describe with the help of neat & clean sketch of ADU & VDU Process.

Q.6 What is cement . Write about its types with composition & major engg. problem associated with it.

Q.7 Write Note on any Two:-

(a) API

(B) SSP

(C) A

(D) TBB cut point.

(120)

(4)

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No. of Printed Pages : 4

Roll No.

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4th Sem. / Chem (p&p)

Subject : Sub Station

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 fertilizer.

b) Expand N.P.K.

c) Define Crude.

d) Draw Distillation Column with products

e) What is cracking.

f) Name any two variety of sugarcane.

g) Draw yield Curve.

h) What is importance of Bleaching.

i) Explain SSP.

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- j) What is Drying.
- k) Define pene point.
- l) What is cement.
- m) Define Saponification.
- n) Differentiate soap & Glycerin.
- o) What is dehydration.
- p) Introduce oil & fat.
- q) Name any three micronutrients.
- r) What is acidity.

SECTION-B

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

- Q.2
- i) Write down about Urea with uses.
 - ii) Explain setting process.
 - iii) Differentiate octane Number & cetane Number.

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- iv) What is Reforming. Write about its types.
- v) Write about equilibrium flash vaporization Curve.
- vi) Explain Hydrogenation of vegetables oil.
- vii) Describe about four major engg problem in Cement Industry.
- viii) Write about viscosity Index.
- ix) Discuss about manufacturing of soap.
- x) Expand TBP & ASTM & SSP
- xi) What is Moleses write its uses.
- xii) Explain about D.A
- xiii) Draw & explain crystallization.
- xiv) Write physical properties of crude & its products.
- xv) Write formula & % composition of sugar.

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