



VITHALBHAI PATEL & RAJRATNA P.T. PATEL SCIENCE COLLEGE

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T.Y. B.Sc. SEM: V

INTERNAL TEST

DATE: 03rd Oct. 2018

SUB: INDUSTRIAL CHEMISTRY

TIME: 10:00 am to 12:00 pm

SUB CODE: US05CICH03

TOTAL MARKS: 50

Q1 MCQ.

[8]

- Girbotol process is used in crude oil for removal of
(a) water (b) Sulphur (c) Salts (d) None of these.
- Gourdorn is residual obtain from
(a) atmospheric distillation unit. (B) Vacuum distillation unit (c) both a & b (d)None of these.
- Chloroform is prepared by chlorination of
(a) CH₄ (b) C₂H₆ (c)C₂H₂ (d) C₃H₈
- The raw material for vinyl acetate is
(a) Acetylene/Acetic (b) Propane/Acetic acid (c) methane/Acetic acid (d) Butane/acetylene acetate
- The temperature at which methane is converted into HCN is
(a) 500-600 (b) 600-700 (c) 800-1000 (d) 1000-1100
- _____ is used in manufacture for unsaturated polyster manufacture.
(a) Maleic anhydride (b) HCN (c) CS₂ (d) H₂O₂
- Hydration of acetylene on industrial scale uses the catalyst_____
(a) H₂SO₄ (b) V₂O₅ (c) PdCl₂ (d) Cd/Pt
- Major uses of LABS is in the field of _____
(a) Detergent (b) Food (c) Pesticides (d) Plastics

Q2 Answer the following in short.(Attempt Five, each two marks)

[10]

- Write detail of carbide theory of petroleum formation
- Write the detail of organic theory of petroleum formation.
- Name various techniques used for separation of petroleum distillate.
- What are the different chemicals derived from methane fraction.
- Write the use of phthalic anhydride
- Write reaction condition of phthalic anhydride
- Write uses of Butadiene.
- Give the uses Vinyl acetate.
- Explain Girbotol process of desulfurification.

[08]

OR

- Write the Composition of petroleum.
- Write complete note on UDEX method for separation of aromatic.

[08]

[08]

OR

- Explain the hypesorber methods of ethylene separation from cracker gas.
- Give the Manufacturing process of HCN.

[08]

[08]

OR

- Explain about Manufacturing of CS₂.
- Write the manufacturing process of LABS

[08]

[08]

OR

- Explain about Phenol manufacturing process

[08]