

VITHALBHAI PATEL & RAJRATNA P.T. PATEL SCIENCE COLLEGE
VALLABH VIDHYA NAGAR
PETROLEUM TECHNOLOGY

T.Y. B.Sc. SEM: V

INTERNAL TEST

DATE:05/10/2019

SUB: INDUSTRIAL CHEMISTRY

TIME:11.00 am to 12:15 pm

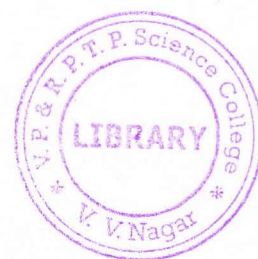
SUB CODE: US05CICH03

MARKS: 25

Q.1 Multiple choice question.

[05]

- 1) The general formula of paraffin is
a. C_nH_{2n} b. C_nH_{2n+2} c. CH d. None of these
- 2) Which solvent use for Udex extraction method _____
a. DMF b. DMSO c. liquid SO_2 d. All of these
- 3) The raw material for vinyl acetate is
a. Acetylene/Acetic acid b. Propane/Acetic acid
c. methane/Acetic acid d. Butane/acetylene acetate
- 4) Catalyst used for oxidation of naphthalene in phthalic anhydride manufacture is
a. V_2O_5 b. Ni c. Pt d. Zn-Cd
- 5) 2. The dehydrogenation temperature of butane is _____ $^{\circ}C$.
a. 200 b. 400 c. 530 d. 680



Q2. Write the Theory of petroleum.

[05]

OR

Q2. Explain about Molecular sieves.

[05]

Q3. Explain Azeotropic distillation explain separation and non-aromatic fraction using methanol.

[05]

OR

Q3. Explain the hypersorber methods of ethylene separation from cracker gas.

[05]

Q4. Write short notes on Manufacture of HCN.

[05]

OR

Q4. Explain production of caprolactum.

[05]

Q5. Write manufacture methods LABS.

[05]

OR

Q5. Write manufacturing process of Phenol.

[05]