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: US05CICV03   **MARKS: 25**

Q.1 Multiple choice question.   [05]

1) The highest carbon atom present in the crude oil is.

(a). C90   (b). C75   (c). C70   (d). C80

2) By oxidation of methane we are getting_____ .

(a) Methanol   (b) ethanol   (c) dichloromethane   (d) vinyl acetate

3) For the removal of unreacted ammonia_____ is used as scrubbing agent in the production of HCN.

(a) H2SO4   (b) water   (c) sodium carbonate (d) all of theses.

4) In the production of vinyl chloride all the reaction are allowed to take place on _____catalyst.

(a) Copper fluoride (b) alumina   (c) silica   (d) zinc dust.

5) _____ Is the ideal structure for rubber production.

(a) Butadiene   (b) butane   (c) pentadine   (d) none of these

Q2. Explain Theory of petroleum.   [05]
OR
Q2. Write a note on Composition of petroleum.   [05]

Q3. With the help of flow diagram explain the manufacturing of HCN.   [05]
OR
Q3. Explain the manufacturing of CS_2 [05]

Q4. Give the reaction condition of Mfg of glycerine by Acrolein route?   [05]
OR
Q4. Give the flow diagram and explain manufacture and use of styrene from benzene.   [05]

Q5. Describe the method of production of BTX(Benzene,Toluene,Xylene).   [05]
OR
Q5. Write the manufacturing process of linear alkyl benzene.   [05]