

V. P. & R.P. T.P. Sc. College  
B.Sc. Industrial Chemistry(VOC)  
(5<sup>th</sup> Semester) Internal Test  
(PETROLEUM TECHNOLOGY)

Date: 05/10/2017

Time: 11:00 a.m. to 12: 30 p.m.

Subject code: US05CICV03

Total Marks: 25

- Q.1 Select the correct option 03
- I. \_\_\_\_\_mg/lit, tar present in Motor gasoline.  
a. 10 - 15 b. 5 - 7  
b. 1 - 4 d. 16-20
- II. \_\_\_\_\_ catalyst use for the production of CS<sub>2</sub>  
a. activated alumina b. Synthetic Clay  
c. Both a & b d. None of these
- III. Cl<sub>2</sub> + \_\_\_\_\_ → 2(CH<sub>2</sub>) Cl<sub>2</sub>  
a. CH=CH b. CH<sub>3</sub> - CH<sub>3</sub>  
c. CH<sub>2</sub> = CH<sub>2</sub> d. None of these
- Q.2 Answer the following in short (ANY TWO) 04
- I. How to prevent the clogging of pipe?  
II. Give the uses of the HCN.  
III. Give the outline of chemical obtained from C<sub>2</sub> (ethane) fraction?
- Q.3 Discuss the construction & working of bubble cap tray. 06
- OR
- Q.3 Explain Girbotol process of desulfurification. 06
- Q.4 Explain the production of methanol by high pressure & low pressure synthesis from synthesis gas. 06
- OR
- Q.4 Discuss the mfg of HCN, also discuss properties & uses. 06
- Q.5 With the help of flow diagram explain manufacture and use of ethylene glycol from ethylene oxide. 06
- OR
- Q.5 With the help of flow diagram explain manufacture and use of styrene from benzene. 06

