

V. P. & R. P. T. P. Science College  
Internal Exam  
B.Sc. (Fifth Semester)  
Monday, 03<sup>rd</sup> October- 2016  
Subject code: US05CICV03 (Petroleum Technology)  
Industrial Chemistry Vocational

Time: 11:00 am to 12:30 pm

Total Marks: 25

- Q-1 **Answer the following MCQ'S:** (03)
- I Gribotol process is used in crude oil for removal of \_\_\_\_\_  
(a) Oil (b) Salts  
(c) Sulphur (d) Nitrogen
- ii For production of HCN from methane \_\_\_\_\_ catalyst is used  
(a) pt- Rhodium alloy (c) copper based  
(b) silica (d) alumina
- III Ethylene glycol is manufactured by \_\_\_\_\_ of ethylene oxide.  
(a) Hydrolysis (c) Nitration  
(b) oxidation (d) Reduction
- Q-2 **Answer any two of the following:** (04)
- I Why inorganic theory fails to explain formation of crude oil?  
II Sketch the flow diagram of CS<sub>2</sub>  
III Give the properties & uses of CS<sub>2</sub>
- Q-3 Write a note on demulsification & desalting of crude oil. (06)
- OR**
- Q-3 Explain the composition of petroleum. (06)
- Q-4 With the help of flow diagram explain the manufacturing of Methanol (06)
- OR**
- Q-4 With the help of flow diagram explain the manufacturing of HCN (06)
- Q-5 Explain manufacture and use of ethylene oxide. (06)
- OR**
- Q-5 By the flow diagram explain manufacture and use of styrene from benzene. (06)

