

V. P. & R. P. T. P Science College,
B.Sc. Industrial Chemistry (5th Semester) Internal Test
PETROLEUM TECHNOLOGY



Date: 05/10/2017

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

Subject code: US05CICH03

Total Marks: 25

- Q.1 Select the correct option 03
- I. Gribotol process is used in crude oil for removal of
a. water b. Sulphur c. Salts d. None of these
- II. Hypersorber uses the _____ for separation of compounds:
a. absorbents b. Adsorbents c. Solvents d. Diluents
- III. Friedel-craft alkylation of benzene requires which catalyst?
a. $AlCl_3$ b. Zn c. V_2O_5 d. Ni
- Q.2 Answer the following in short (ANY TWO) 04
- I. Classify hydrocarbons in petroleum on the basis of general structure giving one example of each.
- II. What are the different chemicals derived from methane fraction.
- III. Write uses of phthalic anhydride and ethyl benzene.
- Q.3 Write the detail of theory of formation and composition of petroleum. 06
- OR
- Q.3 Using proper diagram explain construction and working of Bubble Cap Tray. 06
- Q.4 Write complete note on UDEX method for separation of aromatics. 06
- OR
- Q.4 With the help of flow diagram explain separation of C_8 aromatic fraction using fractional crystallization. 06
- Q.5 Write a short note on manufacture of ethyl benzene. 06
- OR
- Q.5 Discuss the manufacture of maleic anhydride. 06