

V. P. & R. P. T. P. Science College
Internal Exam
B.Sc. (Fifth Semester)
Monday, 03rd October- 2016
Subject code: US05CICH03 (Petroleum Technology)
Industrial Chemistry

Time: 11:00 am to 12:30 pm

Total Marks: 25

Q-1 Answer the following MCQ'S:

- i Gribotol process is used in crude oil for removal of _____
(a) Oil (b) Salts
(c) Sulphur (d) Nitrogen
- ii Saybolt's viscometer is used for determination of _____
(a) kinematic viscosity (c) Aniline Point
(b) Carbon content (d) Absolute viscosity
- iii _____ is starting material for production of caprolactum.
(a) Cinnamic acid (c) Salicylic acid
(b) Phthalic acid (d) Benzoic acid

(03)

Q-2 Answer any two of the following:

- i Why inorganic theory fails to explain formation of crude oil?
ii Name various techniques used for separation of petroleum distillate.
iii Sketch the flow diagram of CS₂

(04)



Q-3 Write a note on demulsification & desalting of crude oil.

(06)

OR

Q-3 Explain the composition of petroleum.

(06)

Q-4 Explain the hypsorber methods of ethylene separation from cracker gas.

(06)

OR

Q-4 Explain separation of C₈ aromatic fraction using fractional crystallization.

(06)

Q-5 Explain the manufacturing of HCN.

(06)

OR

Q-5 Explain the manufacturing of ~~ethyl~~ ethyl benzene.

(06)