

V. P. & R. P. T. P. Science College
B.Sc. (Sixth Semester)
Tuesday 7th March, 2017
Subject code: US06CICV02 (Heavy and fine organic Chemicals)
Industrial Chemistry

Time: 11:00 am to 12:30 pm

Total Marks: 25

Q-1 Select right option from given in the following questions.

03

I. Vapour phase reaction between acetylene and acetic acid in the presence of a _____ catalyst yields vinyl acetate.

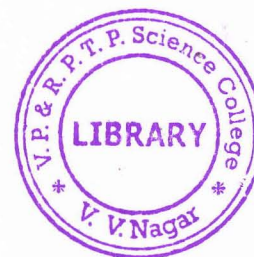
- (a) Mercuric chloride (b) Zinc acetate
(c) Charcoal (d) Raney-nickel

II. The catalytic hydrogenation of dextrose yields _____

- (a) Acetone (b) Glucose
(c) Sorbitol (d) Ethanol

III. Which catalyst is used in manufacture of carbon tetrachloride?

- (a) Copper (b) iron borings
(c) Platinum (d) Alluminium



Q-2 Answer any two of the following:

04

- i. Write the uses of Vinyl acetate
ii. Draw the flow diagram Manufacture of formaldehyde from methanol
iii. Write the uses of Methyl chloride

Q-3 With the help of flow diagram explain manufacture of Vinyl chloride by pyrolysis of ethylene dichloride

06

OR

Q-3 Explain manufacturing of Vinyl acetate

06

Q-4 With the help of flow diagram explain manufacture of Formic acid

06

OR

Q-4 Explain manufacturing of Sorbitol.

06

Q-5 Write the note on Methyl chloride

06

OR

Q-5 Write the manufacturing of Chloroform

06