

V. P. & R. P. T. P. Science College

B.Sc. (Sixth Semester)

Internal Test

Tuesday 11th March, 2014

Subject code: US06CICV02 (Heavy & fine organic chemicals)

Industrial Chemistry Vocational

Time: 3:30 pm to 5:00 pm

Total Marks: 30

- Q-1 **Answer any three of the following:** (6)
- I Write the uses of propagyl alcohol and acrylates
 - II Write the mechanism for synthesis of 5-ethyl-2-methyl pyridine from paraldehyde and ammonia.
 - III Write the raw materials required for formic acid obtained from sodium formate.
 - IV Enlist the uses of melamine
 - V Enlist the uses of chloroform
 - VI Enlist the uses of N-alkylated ethanol amines
- Q-2 With the help of flow diagram explain manufacture of : (8)
- I Acetone
 - II Phthalic anhydride from naphthalene
- OR
- Q-2 Write short note on: (8)
- I Resorcinol
 - II Fischer tropesch synthesis
- Q-3 With the help of flow diagram explain manufacture of : (8)
- I Sorbitol
 - II Formaldehyde
- OR
- Q-3 Explain the properties, uses and manufacture of glycerin with form propylene via (8)
acrolein with neat diagram.
- Q-4 Explain the properties, uses and manufacture of carbon tetrachloride with neat (8)
diagram.
- OR
- Q-4 Explain the properties, uses and manufacture of triethanol amine with neat (8)
diagram.

