

V. P. & R. P. T. P. Science College  
B.Sc. (Sixth Semester)  
Internal Test  
Tuesday 11<sup>th</sup> 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 acrolein with neat diagram. (8)
- Q-4 Explain the properties, uses and manufacture of carbon tetrachloride with neat diagram. (8)
- OR
- Q-4 Explain the properties, uses and manufacture of triethanol amine with neat diagram. (8)

