



V.P. & R. P. T. P. SCIENCE COLLEGE

B. Sc. (Semester – VI) Examination.

INDUSTRIAL CHEMISTRY

Internal Test

10th March 2014

COURSE NO: US06CICH01 (SYNTHETIC DYES AND INTERMEDIATES)

TIME: 3.30 TO 5.00 PM.

TOTAL MARKS – 30

Q.1 Answer the following (Any three) (06)

1. Define terms "Bathochromic Auxochrome and Hypsochromic Auxochrome.
2. Benzene is colorless whereas Nitroben Benzene is yellow in color, explain.
3. Indicate medium and position of coupling in Naphthionic acid and Chromotropic acid.
4. Write any two reactions for stabilization of diazo compound.
5. Give comparison of Reactive dyes v/s VAT dyes.
6. What mean by Disperse dyes? Write advantages of it.

Q.2 Give detail classification of the dyes according to their chemical constitution. (08)

OR

Q.2 Write note on dye classification on the basis mode of application. (08)

Q.3 Write note on following: (08)

- a) Classification of Azo dyes on the basis of applications.
- b) Lapworth's Notation for azo dyes.

OR

- a) Direct method direct diazotization.
- b) Effect of substituents on Coupling reaction.

Q.4 Give classification of Reactive dyes. (08)

OR

Q.4 What are Vat dyes? Give an account of AnthraquinoneVat dyes. (08)