



V. P. & R. P. T. P Science College,  
B.Sc. Industrial Chemistry (Semester-VI) Internal Test  
(DYES & INTERMEDIATES)

Date: 12/03/2018

Time: 11:00 a.m. to 12: 30 p.m.

Subject Code: US06CICV01

Total Marks: 25

- Q.1 Select the correct option** **03**
- I. Acid dyes are usually the \_\_\_\_\_ of the colour acids.  
a. sodium salts      b. potassium salts      c. Magnesium salts      d. carbonates
- II. Orange I is prepared by coupling of diazonium salt of sulphanilic acid with \_\_\_\_\_.  
a.  $\alpha$  - Naphthol      b.  $\beta$  - Naphthol      c. Phenol      d. Cresol
- III. Reactive dye forming \_\_\_\_\_ bond between carbon of the dye molecule and substrate.  
a. Covalent      b. H-bond      c. Ionic bond      d. None
- Q.2 Answer the following in short (ANY TWO)** **04**
- I. Define Bathochromic Auxochrome & Hypsochromic Auxochrome
- II. What is basic dye? Explain.
- III. Discuss the limitations of reactive dyes?
- Q.3 Explain the Armstrong theory of colors.** **06**
- OR
- Q.3 Explain the postulates of valance bond theory.** **06**
- Q.4 Discuss the various methods of diazotization in detail.**
- OR
- Q.4 Explain mordant dye, give two name of its explain dyeing of mordent dye?** **06**
- Q.5 What are disperse dye? Briefly explain dyeing mechanism of it?** **06**
- OR
- Q.5 Write note on application of reactive dyes.** **06**