

V. P. & R. P. T. P. SCIENCE COLLEGE
B.Sc. (Sixth Semester)
Internal Exam
Monday 06th March, 2017
Subject code: US06CICV01 (Dyes & Dyes Intermediate)
Industrial Chemistry Vocational



Time: 11:00 am to 12:30 pm

Total Marks: 25

Q-1 Answer the following multiple choice questions: [03]

- I. Basic dyes are protonated under _____ condition.
a. Acidic b. Basic c. Neutral d. Both a& b
- II. Orange 2 is prepared by coupling of diazonium salt of sulphinilic acid with.....
a. Alpha naphthol b. Beta naphthol c. Phenol d. Amine
- III. Alizarin orange is obtained by Alizarin in the presence of boric acid.
a. Nitrating b. Sulphonating c. Chlorinating d. Brominating

Q-2 Answer the following short questions (Any Two) [04]

- I. Define the term dye and color.
- II. Explain the term diazocompound by giving suitable example.
- III. Discuss the limitation of reactive dye.

Q-3 Explain the classification of dye according to application. [06]

OR

Q-3 Write a note on witt's theory. [06]

Q-4 Draw and express the attacking position of following coupling compound: [06]

H-acid, J-acid, S-acid, R-acid, G-acid, O-toluidine

OR

Q-4 Explain in detail various methods for the diazotization. [06]

Q-5 Give the synthesis of dispersed yellow-1. [06]

OR

Q- 5 Explain the manufacturing of Polystyrene. Write the properties, uses, and application of dispersed dye. [06]