

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

B. Sc. (Semester - VI) Examination

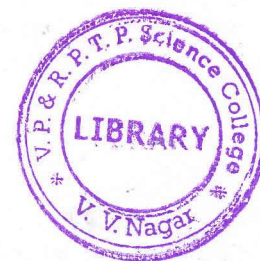
INDUSTRIAL CHEMISTRY

6th March 2017, Monday

COURSE NO: US06CICH01 (SYNTHETIC DYES AND INTERMEDIATES)

TIME: 11:00 TO 12:30

TOTAL MARKS – 25



Q.1 Answer the following MCQs... (03)

1. Dyes classified according to their.....
 - A. Chemical constitution.
 - B. Methods of applications
 - C. Types of materials to be dyed.
 - D. All of above.
2. Orange-II dye is prepared by coupling of diazonium salt of sulphanilic acid with.....
 - A. Alpha Naphthol.
 - B. Beta Naphthol.
 - C. Phenol.
 - D. None of them
3. Cyanuric chloroide is used in the synthesis of _____ dyes as a reactive system
 - A. Procion dyes
 - B. Remazol dyes
 - C. Thiazol dyes
 - D. All of above

Q.2 Answer the following short questions (Any TWO) (04)

1. Define term "Complementary colors".
2. Indicate medium and position of coupling in Naphthionic acid and H-acid.
3. Give synthesis of "Procion Brilliant Blue-MR".

Q.3 Write Witt's Theory and explain how this theory relates colours and chemical constitution. (06)

OR

Q.3 Give the classification of dyes according to their mode of application. (06)

Q.4 Give classification of Azo dyes on the basis of applications. (06)

OR

Q.4 Write note on Lapworth's notation for azo dyes. (06)

OR

Q.5 Enlist various classes of "Reactive Dyes" giving suitable examples. (06)

OR

Q.5 What are Vat dyes? Give an account of "Anthraquinone Vat Dyes". (06)