

Semester-VI, B.Sc. (Industrial Chemistry) Examination

MARCH-2015

Paper- IC-604: Synthetic Dyes Industry

Paper Code: 4652

Time: 2.30 Hours

Total Marks: 70

- Que.1 (A) What is dye? Discuss classification of dyes according to application to the fibre. 10
(B) Give synthesis of Congo red. 04
OR
- Que.1 (A) Write a details account of Azo dyes. 10
(B) Give synthesis of Malachite green. 04
- Que.2 (A) What are Bathochromic and Hypsochromic effects? Explain it with example. 10
(B) Draw a structure of Procaine red and Procaine blue HB. 04
OR
- Que.2 (A) Discuss about Reactive dyes. 10
(B) Write a note on properties of Fluorescent brighteners. 04
- Que.3 (A) What is Pigment? Write about Pigment dyes. 10
(B) Write about Disperse reactive dyes. 04
OR
- Que.3 (A) Give brief account of Sulphur dyes. 10
(B) Write about Xanthene dyes. 04
- Que.4 Give synthesis of any four of following. 14
(1) Phenolphthalein (4) Indanthron blue
(2) Methyl violet (5) Direct green
(3) DPM (6) Rodamine B
- Que.5 Give synthesis of any four of following. 14
(1) Dibenzanthrone (4) Methylene blue
(2) Eriochrome black T (5) Naphthol AS
(3) TMP (6) Caledon jude green BB