

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

October / November - 2015

Paper- IC-604: Synthetic Dyes Industry

Paper Code: 4652

Time: 2.30 Hours

Total Marks: 70

- Que.1 (A) What is color? Give a relation between color and chemical constitution with example. 10  
(B) How colour is obtained? 04  
OR
- Que.1 (A) Give synthesis of Tartrazine with its uses. 10  
(B) What do you mean by Nitro dyes? 04
- Que.2 (A) Write a classification of dyes according to their chemical constitution. 10  
(B) Give synthesis of Anthraquinone. 04  
OR
- Que.2 (A) Give brief account of Azo dye. 10  
(B) What do you mean by Nitroso dyes? 04
- Que.3 (A) Give brief account of Zanthene dye. 10  
(B) Give structure of Anthraquinone pigment blue: 704 04  
OR
- Que.3 (A) Give brief account of Optical brightning agent. 10  
(B) What do you mean by Sulphur vat dyes? 04
- Que.4 Give synthesis of any four of following. 14  
(7) Chrysophonine G (10) Rodamine B  
(8) Direct Black EW (11) Phenolsulphophthalin  
(9) Caledon Jude Green BB (12) Eosin
- Que.5 Give synthesis of any four of following. 14  
(1) Fluorscein (4) Remazole Black B  
(2) Auramine (5) Indanthron Blue  
(3) Malachite Green (6) Naphthol ASG