

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. Vth Semester–Examination – Nov-Dec- 2011

Subject code: 152802

Subject Name: Technology of Dyeing-I

Date: 24/11/2011

Time: 02:30 pm – 05:30 pm

Total Marks: 70

Instructions:

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

Q.1 (a) With all technical details, Describe development of Azoic colours on Cotton. **07**

(b) Explain Chemistry of Soluble Azoic Colours. **07**

Q.2 (a) Describe Rope Dyeing method of dyeing Denim Fabric. **07**

(b) Explain Combination Shades in Denim **07**

OR

(b) Explain Faults & their Correction methods in Denim.. **07**

Q.3 (a) Explain application method of Direct Dyes on Cotton. State its properties also. **07**

(b) Classify and explain any Two after treatments given to Direct-dyed Cotton fabric. **07**

OR

Q.3 Explain Different Parameters influencing Direct dye Uptake. **14**

Q.4 Classify Vat Dyes on different methods. Explain any two methods of application. **14**

OR

Q.4 Explain Chemistry, Properties & application methods of Solubilised Vat dyes. **14**

Q.5 Explain: **14**

(a) Chloro triazine Dyes

(b) Vinyl sulphone Dyes.

OR

Q.5 Explain Properties & Application Methods of Oxidation Colours. **14**
