

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI • EXAMINATION – SUMMER 2013****Subject Code: 162801****Date: 24-05-2013****Subject Name: Technology of Dyeing-II****Time: 10.30 am - 01.00 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) Describe Factors influencing Quality of Dyeing on Polyester. **07**
- (b) Describe briefly Properties and Application method of Disperse-Reactive Dyes. **07**
- Q.2** (a) Give various reasons for Barriness in Nylon Dyeing. State its different correction methods. **07**
- (b) Elaborate different levelling agents for Nylon. **07**
- OR**
- (b) Give a review for Selection of auxiliaries for Polyester dyeing. **07**
- Q.3** (a) State Salient features of CDPET and Cationic Dyes. **07**
- (b) Describe Dyeing of CDPET+PET Blend. **07**
- OR**
- Q.3** (a) What are Microfiber Polyester? What are the difficulties associated during processing of such fiber. **07**
- (b) Describe Rapid Dyeing of Polyester fibre. **07**
- Q.4** (a) Describe Mechanism of Dyeing of Wool fibre with Acid Dyes. **07**
- (b) State Effect of Acid and Salt on Acid Dyeing of Wool. **07**
- OR**
- Q.4** (a) Write note on Polypropylene Dyeing. **07**
- (b) Discuss in detail Dyeing of Loose Acrylic fibre. **07**
- Q.5** (a) State Principle of construction of Dyeing machines. Give in brief the material for construction of such machines. **07**
- (b) Describe Conventional and Advanced version of Padding Mangles. **07**
- OR**
- Q.5** (a) Describe Open and Closed Jiggers. **07**
- (b) Discuss Dyeing of Polyester + Cellulosic Blend **07**
