

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI • EXAMINATION – SUMMER • 2014****Subject Code: 162801****Date: 19-05-2014****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 Dyeing of CDPET with cationic dye. **07**
(b) Describe briefly dyeing method of polyester-cotton blend using Disperse-Reactive system. **07**

- Q.2** (a) Discuss various reasons for Barriness in Nylon Dyeing. State its different correction methods. **07**
(b) Describe Dyeing of Nylon with metal complex dyes. **07**

OR

- (b) Give a review for Selection of auxiliaries for Nylon dyeing. **07**

- Q.3** (a) Describe Rapid Dyeing of Polyester fibre. **07**
(b) Describe Mechanism of Dyeing of Wool fibre with Acid Dyes. **07**

OR

- Q.3** (a) What are Microfiber Polyester? What are the difficulties associated during processing of such fiber. **07**
(b) Describe Mechanism of Dyeing of Acrylic fibre with cationic Dyes. **07**

- Q.4** (a) Describe Dyeing of Wool fibre with Chrome Dyes. **07**
(b) Discuss Effect of Acid & 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** State Principle of construction of Jet Dyeing machines. Give in brief the material for construction of the same. **14**

OR

- Q.5** (a) Describe Open & Closed Jiggers with neat sketch. **07**
(b) Describe Conventional & Advanced version of Padding Mangles. **07**
