

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) - EXAMINATION – SUMMER 2016****Subject code: 2162801****Date:06/05/2016****Subject Name: Technology of Dyeing - II****Time: 10:30 AM to 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 the dyeing of silk with most commonly used dyes with different methods. **07**
(b) Enlist various dyes used for wool dyeing. Describe the dyeing of wool with acid mordant dyes. **07**
- Q.2** (a) Explain the processing of micro-polyester fabric. State difficulties arise during processing and the corrective measure taken. **07**
(b) Describe with technical details the complete processing of CDPET fabrics. **07**
OR
(b) Describe with mechanism the dyeing of nylon with acid dyes. **07**
- Q.3** (a) Describe the isothermal process of dyeing of acrylic fibre. **07**
(b) Write short note on: Dyeing of P/C blended fabric. **07**
OR
- Q.3** (a) Write a brief review on developments in padding mangle. **07**
(b) Describe the working of beam dyeing machine. **07**
- Q.4** (a) Describe rapid dyeing of polyester **07**
(b) Write short note on: Disperse dyes. **07**
OR
- Q.4** (a) Write short note on: Metal complex dyes. **07**
(b) Write short note on: Cationic dyes. **07**
- Q.5** (a) Explain the principle, construction & working of Standfast molten metal dyeing machine. **07**
(b) Explain the principle, construction & working of Longclose loose cotton dyeing machine. **07**
OR
- Q.5** (a) Describe with neat sketch the principle, construction and working of fully flooded jet dyeing machine. **07**
(b) Describe carrier dyeing method of polyester **07**
