

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI • EXAMINATION – SUMMER 2013****Subject Code: 162804****Date: 03-06-2013****Subject Name: Technology of Printing - I****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 carbonized and dyed styles of printing in detail. **07**
(b) Discuss Reducing agent and oxidizing agents in detail. **07**
- Q.2** (a) Discuss Dispersing agents & Solvents in detail. **07**
(b) Describe direct style of printing of cotton using reactive dye in detail. **07**
- OR**
- (b) Discuss various Defoaming agents used in printing. **07**
- Q.3** (a) Describe Direct style printing of Cotton using azoic colors by Naphthol printing method and base printing method. **07**
(b) Describe White discharge and Color Discharge printing of Cotton on Azoic ground. **07**
- OR**
- Q.3** (a) Describe Direct style printing of Cotton using Solublised Vat dye. **07**
(b) Describe White discharge and Color Discharge printing of Cotton on Reactive ground. **07**
- Q.4** Describe the working and essential parts of an automatic flat-bed printing machine with neat sketch. **14**
- OR**
- Q.4** Describe with a neat diagram, the working of roller printing machine. **14**
- Q.5** (a) Explain Rapid ager with neat sketch. **07**
(b) Explain Festoon steamer with neat sketch. **07**
- OR**
- Q.5** Describe Direct style printing of Cotton using vat dyes in detail using different methods. **14**
