

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- VIth SEMESTER-EXAMINATION – MAY- 2012****Subject code: 162804****Date: 17/05/2012****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) Give the basic requirements of thickener in detail. **07**
 (b) Discuss the Comparison between Discharge style of printing & Resist style of printing. **07**

- Q.2** (a) Discuss Dispersing agents & Solvents in detail. **07**
 (b) Discuss hygroscopic and Defoaming agents in detail. **07**

OR

- (b) Discuss various reducing agents used in printing. **07**

- Q.3** (a) Describe Direct style printing of Cotton using azoic colors by base printing method and Naphthol 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 Direct dye. **07**
 (b) Describe White discharge and Color Discharge printing of Cotton on Direct ground. **07**

- Q.4** Describe the working and essential parts of the roller printing machine with neat sketch. **14**

OR

- Q.4** Describe with a neat diagram, the working of an automatic flat bed printing machine. **14**

- Q.5** (a) Explain Rapid ager with neat sketch. **07**
 (b) Explain Festoon steamer with neat sketch. **07**

OR

- Q.5** (a) Describe Direct style printing of Cotton using vat dyes by Potash-rongalite method. **07**
 (b) Describe Direct style printing of Cotton using vat dyes by potash-caustic method. **07**
