

GUJARAT TECHNOLOGICAL UNIVERSITY**BE SEM-VI Regular Examination May 2011****Subject code: 162804****Subject Name: Technology of Printing – I****Date: 21/05/2011****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 detail classification of thickeners in detail. Discuss any two in detail. **07**
- (b) Discuss the Comparison between Discharge style of printing & Resist style of printing. **07**
- Q.2** (a) Describe carbonized and brasso styles of printing in detail. **07**
- (b) Discuss hygroscopic and Defoaming agents in detail. **07**
- OR**
- (b) Discuss Oxidizing agents & Reducing agents in detail. **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 of printing of cotton using Aniline black in detail. **07**
- (b) Enlist different methods of direct style of printing of cotton using Solublised vat dye. Explain any two in detail. **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** Discuss effects of different ingredients and parameters on reducing agents for printing of vat dyes. **14**
