

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VII • EXAMINATION – SUMMER • 2014****Subject Code: 172801****Date: 22-05-2014****Subject Name: Technology of Printing - II****Time: 02:30 pm - 05:00 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 a brief account on historical background and development of printing screens. **07**
(b) Describe the printing of silk with direct dyes. **07**
- Q.2** (a) Describe the printing of acrylic fabric with cationic dyes. **07**
(b) Explain the fundamental mechanism of screen printing **07**
OR
(b) Discuss different printing aids used for printing of nylon fabric. **07**
- Q.3** (a) Enumerate various operating system of fully automatic flat bed screen printing machine. Describe any one in detail. **07**
(b) Describe in detail the production methods of screen for textile printing. **07**
OR
- Q.3** Explain with neat sketch the different types of transfer printing machines in detail. Also explain mechanism of transfer printing. **14**
- Q.4** (a) Describe the printing of wool with procilan dyes. **07**
(b) Describe the vigourox printing method of wool. **07**
OR
- Q.4** Describe in detail different methods of fixation in printing of polyester. **14**
- Q.5** (a) Describe the printing of CDPET fabric with cationic dyes. **07**
(b) Describe the printing of P/C blended fabric. **07**
OR
- Q.5** (a) Enumerate common faults and their causes in screen printing **07**
(b) Describe the foam and pearl printing techniques. **07**
