

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII • EXAMINATION – WINTER 2013

Subject Code: 172801

Date: 26-11-2013

Subject Name: Technology of Printing - II

Time: 10:30 TO 01:00

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 answer of the following short questions: **10**
1. Sublatic printing is also known as _____.
 2. 'Off-set' printing is also known as _____.
 3. Repeat size of rotary screen is determined by _____.
 4. In _____ screens, the non design areas are solid nickel.
 5. _____ printing action is associated with flat bed screen printing. Redox potential of Safoline is _____.
 6. State the function of sodium chlorate in printing.
 7. Vigoureaux printing is done on _____ wool.
 8. Lanazol dyes are used to print _____ fabric.
 9. What are match pairs?
 - 10.
- (b) Describe the working of Zimmer magnetic squeegee system. **04**
- Q.2** (a) Enlist various techniques of paper printing. Describe any two in detail **07**
- (b) Discuss foam printing in detail. **07**
- OR**
- (b) Discuss Metallic printing in detail. **07**
- Q.3** (a) Explain in brief four important methods of transfer printing. **07**
- (b) Discuss printing of Nylon using Procynyl dyes. **07**
- OR**
- Q.3** (a) Give critical review on 'dyes and inks' for paper transfer printing. **07**
- (b) Explain vigoureaux printing of wool in detail. **07**
- Q.4** Discuss various fixation methods for polyester printing in detail. **14**
- OR**
- Q.4** Explain Direct style of printing silk with various classes of dyes. **14**
- Q.5** (a) Discuss Pearl printing in detail. **07**
- (b) State the common faults and causes in screen printing. **07**
- OR**
- Q.5** (a) Discuss Khadi printing in detail. **07**
- (b) Explain the fundamental mechanism of screen printing. **07**
