

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII(NEW) • EXAMINATION – WINTER 2016

Subject Code:2172801**Date:18/11/2016****Subject Name:Technology of Printing - II****Time:10.30 AM to 1.00 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) Answer the following OBJECTIVE questions: 07**
- i. _____ pigment is used to produce white khadi.
 - ii. Vigoureaux printing is done on _____ wool.
 - iii. Name any two acid liberating agents.
 - iv. What is printogen HDN?
 - v. _____ pH is required to use SnCl₂ in printing.
 - vi. High/Low sublimation fastness disperse dyes are used for transfer printing. Strike the wrong option.
 - vii. _____ problem is more acute in printing of nylon carpets.
- (b) Explain the concept, technology and method of vigoureaux printing method. 07**
- Q.2 (a) Discuss the chemistry and technological aspects of foam printing technique with application process. 07**
- (b) Describe in detail the photo-chemical method of screen making for textile printing. 07**
- OR**
- (b) Discuss various faults occurring in polyester printing with their remedies. 07**
- Q.3 (a) Enlist various techniques of transfer paper printing. Describe any two in detail. 07**
- (b) Describe the direct style printing of Acrylic fibres with cationic dye. 07**
- OR**
- Q.3 (a) Discuss different printing aids used for printing of nylon fabric. 07**
- (b) Elucidate the chemistry involved with Binders & Fixers. 07**
- Q.4 (a) Explain in brief about the methods to transfer print on fabric from paper. 07**
- (b) Describe the Disperse-Vat printing system for printing of PC blend fabric. 07**
- OR**
- Q.4 (a) Discuss various fixation methods for polyester printing in brief. 08**
- (b) Explain the detailed printing of wool using Lanazol dyes by direct style. 06**
- Q.5 (a) Describe briefly about discharge style of printing silk. 07**
- (b) Write a detailed note on “Metallic printing” of textiles. 07**
- OR**
- Q.5 (a) Give the technology involved with the following squeeze systems of rotary screen printing machine: 10**
- (i) Zimmer magnetic squeegee system (ii) Swivel squeegee system**
- (b) Give the comparison between flat screen and rotary screen printing methods. 04**
