

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-IV (New) • EXAMINATION – WINTER 2016****Subject Code: 2142903****Date: 24/11/2016****Subject Name: Textile Processing-II****Time:02:30 PM to 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.

		<b>MARKS</b>
<b>Q.1</b>	<b>Short Questions</b>	<b>14</b>
	1 What is Printing?	
	2 Enlist the styles of printing.	
	3 What is color fixation?	
	4 Enlist the methods of printing.	
	5 Enlist the various machines used for transfer printing.	
	6 Name any two effects produced by mechanical resist style of printing.	
	7 Enlist the ingredients of printing paste.	
	8 What is delustering?	
	9 What is Finishing?	
	10 State the name of various types mechanical finishing.	
	11 What is Pigment?	
	12 What is “Sanforising”	
	13. What is ageing?	
	14 Which are the different methods of fixation?	
<b>Q.2</b>	(a) Write the advantages of Block Printing methods.	<b>03</b>
	(b) Give the name of thickeners used in printing and describe properties of good thickener.	<b>04</b>
	(c) Explain the resist style of printing.	<b>07</b>
	<b>OR</b>	
	(c) Explain the discharge style of printing.	<b>07</b>
<b>Q.3</b>	(a) Write advantages of Transfer Printing.	<b>03</b>
	(b) Explain vacuum transfer printing process.	<b>04</b>
	(c) Describe the working of a Flat Bed Screen Printing Machine with a neat sketch.	<b>07</b>
	<b>OR</b>	
<b>Q.3</b>	(a) What is steaming? What actually happens during steaming?	<b>03</b>
	(b) Write the advantages of Rotary Screen Printing.	<b>04</b>
	(c) Describe the working of a Roller Printing Machine with a neat sketch.	<b>07</b>
<b>Q.4</b>	(a) Explain use of hygroscopic agent in printing.	<b>03</b>
	(b) Describe the methods of imparting water repellent finish.	<b>04</b>
	(c) Describe printing of polyester with disperse dye.	<b>07</b>
	<b>OR</b>	
<b>Q.4</b>	(a) What are the objectives of finishing?	<b>03</b>
	(b) Give the classification of softeners.	<b>04</b>
	(c) Describe printing of cotton by direct dye.	<b>07</b>
<b>Q.5</b>	(a) What are the objectives of calendaring process?	<b>03</b>
	(b) Describe raising (napping) finish.	<b>04</b>
	(c) Write a short note on durable press finish.	<b>07</b>
	<b>OR</b>	

- Q.5** (a) Give the classification of finishes. **03**  
(b) Explain friction calendars with neat diagrams. **04**  
(c) Describe direct style of printing of Polyester with Disperse dye. **07**

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