Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER–IV(New) EXAMINATION – SUMMER 2016

Subject Code:2142903 **Date:10/06/2016**

Subject Name:Textile Processing-II

Time:10:30 AM to 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.**

			MARKS
Q.1		**Short Questions**	**14**
	1	Give two examples of thickners used in printing.	1
	2	Define 'Printing'.	1
	3	The most important ingredient in a discharge paste is _____.	1
	4	The most important ingredient in a pigment printing paste is _____.	1
	5	_____ % sulphuric acid is used for destroying cellulosic portion in P/C blend in carbonisation.	1
	6	_____ is used as a resist in batik printing.	1
	7	_____ is used as a resist to develop Bhandhani effect.	1
	8	Reactive softeners impart temporary finish. **True or False.**	1
	9	Antipilling finish is generally employed to_____.	1
	10	What is Sanforisation?	1
	11	Shearing & cropping is a chemical finish. **True or False.**	1
	12	Give 2 examples of stiffeners used in finishing.	1
	13	Cotton requires delustring finish. **True or False.**	1
	14	Give the full form of DMDHEU.	1
Q.2	**(a)**	Give a brief classification of different methods of printing.	**03**
	(b)	Write a note on "Direct style" of printing.	**04**
	(c)	Explain about transfer printing with its merits & demerits.	**07**
		OR	
	(c)	Depict on roller printing machine with its construction.	**07**
Q.3	**(a)**	Give the techno-physical aspects associated with tie and dye style of printing.	**03**
	(b)	Differentiate discharge & resist style of printing in tabular form.	**04**
	(c)	Enlist the essential ingredients in the printing paste. Briefly discuss on each with their functions.	**07**
		OR	
Q.3	**(a)**	Give a critical review on "Brasso style " of printing	**03**
	(b)	Write a short note on mélange printing associated with wool.	**04**
	(c)	Mention the technical aspects involved with vat printing by direct style.	**07**
Q.4	**(a)**	State basic differences between water proof and water repellent fabric.	**03**
	(b)	Introduce beetling with the techno-physical parameters associated.	**04**

	(c)	Enlist different objects of finishing in detail.	**07**
		OR	
Q.4	**(a)**	State basic differences between anti-crease, wash & wear and durable press finishes.	**03**
	(b)	Introduce and explain on "Parchmentisation".	**04**
	(c)	Depict on friction calendar with neat sketch.	**07**
Q.5	**(a)**	Enlist different finishes applied on manmade fibres as per fibre types.	**03**
	(b)	Classify finishes based on different notation.	**04**
	(c)	Enlist objects of Calendaring. Explain about embossing calendar with neat sketch.	**07**
		OR	
Q.5	**(a)**	Give a brief idea about delustering.	**03**
	(b)	Briefly describe about Schreiner calendar.	**04**
	(c)	Describe about anti shrink finish with reasons of shrinkage.	**07**

****