

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2018****Subject Code: 2182908****Date: 09/05/2018****Subject Name: Technology of Denim Manufacturing (Departmental Elective III)****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	(a) Give the characteristics of denim fabric.	03
	(b) What is count range for denim and which spinning systems used to produce yarn for denim?	04
	(c) Write briefly on slasher dyeing and sizing.	07
Q.2	(a) Enlist the fibres used in denims.	03
	(b) List out the sequence of operations required to manufacture denims.	04
	(c) Write short note on history of Denim.	07
	OR	
	(c) Write note on denim fabric constructions.	07
Q.3	(a) Explain SBIT and IBST in detail.	03
	(b) Explain structure and properties of OE yarn used for denim.	04
	(c) Explain in detail rope dyeing with neat sketch.	07
	OR	
Q.3	(a) Write note on printing of denim.	03
	(b) What is bow? Explain skewing in denim.	04
	(c) Explain methods of preparing synthetic indigo dye.	07
Q.4	(a) Write note on denim bleaching.	03
	(b) Which types of defects cause in denim due to faulty yarn?	04
	(c) Explain the finishing of denim fabrics.	07
	OR	
Q.4	(a) Write note on sulphur dyeing process	03
	(b) Write note on prerequisite for continuous indigo dyeing range.	04
	(c) Explain briefly the types of tests carried out for physical testing of denim.	07
Q.5	(a) Write note on light weight denim fabric.	03
	(b) Write note on future trends of denim fabric.	04
	(c) Enlist types of washing and explain briefly about any one washing.	07
	OR	
Q.5	(a) What is ecru denim fabric?	03
	(b) Write note on recovery systems for indigo.	04
	(c) Write note on the seams and stitches used denim fabric.	07
