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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII • EXAMINATION – WINTER • 2014

Subject Code: 172804 Date: 27-11-2014 **Subject Name: Garment Processing** Time: 10:30 am - 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. (a) Answer the following OBJECTIVE questions: **Q.1** 07 i. Expand SBIT to its full form. ii. Define 'stitch density'. iii. The wider range of pH profile can be achieved by _____ cellulase enzyme. iv. Name any two denim washing effects. v. Choline chloride attaches to cotton fabric through ______ bonding. vi. Major constituents of pumice stones are and . vii. Moisture management type of finish is widely applied to _____ wears. Discuss about sand blasting techniques in detail with the technical aspects involved. **07 (b)** 0.2 (a) Describe various quality control measures in garment processing. 07 Give a detailed note on Fusible type interlinings. **(b)** 07 Discuss the technical prospectus of acid wash of jeans accompanied with pumice **(b) 07** stones and without the same including application method. 0.3 (a) Signify neutralization of denim. State the process parameters with the method 07 involved. Elucidate about protection of garments against ultraviolet rays with the **(b)** 07 classification and evaluation scheme associated. Introduce cellulase enzymes with their activity shown diagrammatically. **Q.3** (a) 07 State the pretreatment processes for knitted cotton textiles. **(b)** 07 **Q.4** Elaborately state numerous troubleshooting associated with garment dyeing with **07** their appropriate remedies. Illustrate the need and significance of top brightening of jeans. Give a detailed **(b)** 07 process of the same. OR Discuss the construction and working of jet dyeing machines for garments. 0.4 07 (a) Write a note on formaldehyde free durable press finish of garments. **(b)** 07 Discuss the reasons for yellowing of denim garments. 0.5 (a) 05 Explain about ozone fading of denim garments. 05 **(b)** Write a word on back staining of jeans. (c) 04 OR Bring out the details on sewing thread, zippers and buttons selection for preparation **Q.5** 08 of garments with their different classes. Depict about mechanism of dyeing of cotton garments with pigment with neat 06 **(b)** sketch. *****
