GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-V • EXAMINATION – WINTER • 2014

Fibre trash analyser. (b) With the help of neat sketches, explain the quadrant balance for measuring Fabric GSM. (7) Q.2 (a) Describe elaborately the usefulness of solubility test in fibre identification. (7) (b) Write a brief note on "Microscopic examination of fibres". (7) (b) Write a brief note on "Birefringence". (7) (c) (a) With the help of neat sketch, explain any one instrument for measuring Twist in yarn. (7) (b) Describe how the beesley balance is used for count measurement. (7) (c) (a) With the help of neat sketch, explain briefly the hydraulic bursting strength tester. (7) (b) With the help of neat sketch, explain briefly the Drapemeter. (7) (b) With the help of neat sketch, explain briefly the Drapemeter. (7) (b) With the help of neat sketch, explain briefly the Drapemeter. (7) (b) With the help of neat sketch, explain briefly the Drapemeter. (7) (c) State the methods employed for moisture removal from fibres. Discuss any two methods in detail. (7) (b) Discuss how the elemental analysis of fibres is done. (4) Q.4 (a) Explain how end group analysi	Sul Tir	Subject Code: 152804Date: 01-12-2014Subject Name: Chemical and Physical Analysis of TextilesTime: 10.30 am - 01.00 pmInstructions:1. Attempt all questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.		
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