Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII • EXAMINATION – WINTER • 2014

Subject Code: 182804 Date: 25-11-2014 **Subject Name: Ouality Control in Wet Processing** Time: 02:30 pm - 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. 07 **Q.1** (a) Answer the following OBJECTIVE questions: i. Grey staining scales are prepared based on dimension of colours. **ii.** Fad-o-meter is used to evaluate fastness properties. iii. Name a test to evaluate sample qualitatively for desizing efficiency. iv. The name of the instrument used to assess rubbing fastness of textiles is **v.** The main component in human perspiration is _____. vi. Deconvolution test is performed to evaluate sample at stage. vii. Name the salts used in solution to be prepared for colour fastness to sea water. (b) Enlist different classes of damages occurring to textiles. Discuss each in depth. 07 Depict about Impact penetration test in detail. 07 0.2 (a) State the importance, need and advantages of ISO-9000 system. 07 OR Give a critical review on importance, advantages and functions of process 07 control. Give a critical review on process control measures in printing. Q.310 (a) Write a word on thermocouples and thermometers. 04 **(b)** OR State the quality control measures in desizing. Describe in detail about 0.3 10 Cuprammonium fluidity test with neat sketch. (b) Write a note on colour fastness to hot pressing with principle and purpose 04 involved. 0.4 Discuss the methods for assessment of washing fastness of dyes as per ISO **10** method. **(b)** Explain in brief on whiteness of textiles. 04 OR Discuss about various process control measures in finishing. **Q.4 07** Write a note on grey inspection including process and quality control measures **(b) 07** to be considered. Describe the test method -II in detail to assess the light fastness of dyes Q.5 10 involving the purpose, principle, instrumentation and technological aspects. Write a short note on colour fastness to acids. 04 OR **Q.5** (a) Describe various faults arise due to bleaching. Suggest their causes and **07** remedies. (b) Give an overview on causes and their remedies for different types of faults **07**

encounter in HTHP dyeing of polyester.