

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

Subject Code: 182902**Date: 29-11-2014****Subject Name: Process and Quality Control in Weaving****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.

- Q.1** (a) How one can meet the quality requirements and production norms with minimum cost of production? **07**
- (b) 'Machinery audit is an essential adjunct to direct control of any process.' Justify the statement. **07**
- Q.2** (a) Which are the factors should be taken in to consideration to asses the quality of sized beams? **07**
- (b) Discuss the important machinery settings directly influence the end breakage rate at warping? **07**
- OR**
- (b) Which are the factors governing productivity of winding? **07**
- Q.3** (a) State and discuss the precautions helps to reduce slough-off during unwinding of cop-build ring bobbins. **07**
- (b) Write a note on –Stiches or Jali on cones/cheeses. **07**
- OR**
- Q.3** (a) 'For efficient removal of yarn faults condition of slub catcher plays important role' - Discuss. **07**
- (b) Write a note on – Reed parameters effect on weaving performance. **07**
- Q.4** (a) Discuss about the control of yarn stretch at sizing. **07**
- (b) State the factors affecting loom efficiency. Give the correct method for it's calculation. **07**
- OR**
- Q.4** (a) Which measures are to be taken to improve the quality of pirn? **07**
- (b) 'Loom allocation can significantly influence loom productivity and cost of production.' How? Give your views. **07**
- Q.5** (a) Give causes & remedies of fabric defects-Small weft loops(Phurkies) & Weft bar **07**
- (b) Write a note on –Grey fabric inspection. **07**
- OR**
- Q.5** (a) Discuss briefly on cotton, twin-wire and flat steel healds. **07**
- (b) Give causes & remedies of fabric defects-Starting mark (Jerki/Patti) & Reddiness. **07**
