

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**
