

**GUJARAT TECHNOLOGICAL UNIVERSITY****BE - SEMESTER-VIII • EXAMINATION – SUMMER • 2015****Subject Code:182902****Date:11/05/2015****Subject Name: Process & Quality Control in Weaving****Time:10.30AM-01.00PM****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 patterning can be avoided in spindle driven packages? **07**  
 (b) Discuss in brief about process parameters which govern the removal of faults in winding. **07**
- Q.2** (a) Discuss the important factors affecting end breaks in warping. **07**  
 (b) Discuss the points to be considered to improve the quality of warping beams. **07**
- OR**
- (b) Discuss the causes for low productivity in warping. **07**
- Q.3** (a) Discuss in brief the general considerations for selection of ingredients in sizing. **07**  
 (b) Discuss preparation of size recipe. **07**
- OR**
- Q.3** (a) Discuss control of size pick up. **07**  
 (b) Discuss control of yarn stretch on sizing machine. **07**
- Q.4** (a) Discuss the methods to minimize belt slippage on loom. **10**  
 (b) Broadly classify various loom stops. **04**
- OR**
- Q.4** (a) Discuss the settings which help to increase the efficiency of the warp-stop motion. **07**  
 (b) Discuss the effect of reed parameters on warp breakage rate during weaving. **07**
- Q.5** (a) Discuss the steps that will help in minimizing warp streaks. **08**  
 (b) What is meant by 'Process waste' and 'Incidental waste'? **06**
- OR**
- Q.5** (a) Write in brief about weaving of P/C blend yarns. **07**  
 (b) Discuss Grey fabric inspection in detail. **07**

\*\*\*\*\*