

GUJARAT TECHNOLOGICAL UNIVERSITY
B.E. Sem-III (Textile Production) Examination December 2009

Subject code: 132802

Subject Name: Elements of Textile Technology & Processing

Date: 21 / 12 / 2009

Time: 11.00 am – 1.30 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) With neat sketch, explain passage of warp through a loom. **07**
 (b) What is the difference between dyes and pigments? Classify different colouring matters. **07**
- Q.2** (a) Describe tappet shedding motion briefly. **07**
 (b) Give classification of desizing methods. Explain Chorite desizing in detail. **07**
- OR**
- (b) What is meant by scouring & bleaching? Describe Kier boiling of cotton. **07**
- Q.3** (a) List out sizing ingredients & its functions. **03**
 (b) Describe pirn winding process briefly. **04**
 (c) Describe any one picking mechanism with neat sketch. **07**
- OR**
- Q.3** (a) Draw flow chart of spinning department. **04**
 (b) Discuss objects of blow room. **03**
 (c) Describe the process of yarn formation on ring frame. **07**
- Q.4** (a) What is the function of draw frame? Describe working of draw frame with neat sketch. **07**
 (b) Draw any three types of weaves. **07**
- OR**
- Q.4** (a) Describe the warping process briefly. **07**
 (b) Briefly describe the carding process with neat sketch. **07**
- Q.5** (a) Enlist different methods of printing. Explain roller printing machine with neat diagram. **07**
 (b) What are the objects of finishing? Explain Calendaring with neat sketch. **07**
- OR**
- Q.5** (a) Give object of singeing. Explain two burner gas singeing machine with neat diagram. **07**
 (b) What are the different styles of printing? Explain each styles in brief. **07**
