

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

# **GUJARAT TECHNOLOGICAL UNIVERSITY**

**B E Sem-VI Examination May 2011**

**Subject code: 162902**

**Subject Name: Advance Fabric Structure & CAD**

**Date: 17/05/2011**

**Time: 10.30 am – 01.00 pm**

**Total Marks: 70**

## **Instructions:**

- 1. Attempt all questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**
- 4. Draw designs only on point paper.(Textile graph paper)**

- Q.1** Draw design and cross section: **14**  
1. Treble cloth with 3/3 twill for face, centre, and back cloth.  
2. Reversible weft backed structure with 2 face 2 back arrangement.  
3. Centre warp stitched double cloth.
- Q.2** (a) Write note on: Damasks and Brocades **07**  
(b) Explain Figuring with Extra Threads. **07**
- OR**
- (b) Discuss the principles of jacquard designing. **07**
- Q.3** What is spot effect? State different methods of forming spot effect. Discuss briefly important points to be considered in distribution of spot effect. Select your own spot design and distribute it over 4 end sateen principle. **14**
- OR**
- Q.3** What are terry pile structures? Explain with neat sketches, how they are produced, giving design and cross section of 3 pick double sided terry weave. **14**
- Q.4** What do you mean by “Gauge and Leno weave”? Explain fully leno weaving (using flat steel doup with an eye) with all aspects of weaving. **14**
- OR**
- Q.4** Explain with diagram and design, how warp pile fabric is produced on face to face principle and with the help of wire. **14**
- Q.5** Explain double cloths with uses, factors affecting construction, methods of tying giving suitable design and cross sections. **14**
- OR**
- Q.5** Explain colour, weave, colour and weave effect, simple and compound weave, simple and compound colour pattern .State different effects of colour and weave and explain any two giving suitable design. **14**

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