Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

**BE - SEMESTER-VI • EXAMINATION - WINTER 2013** 

Subject Code: 162902 Date: 29-11-2013 **Subject Name: Advanced Fabric Structure and CAD** Time: 02:30 pm to 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) Draw design and cross sections of warp centre stitched double cloth. 07 Draw design and cross sections of wadded weft backed cloth. **(b)** 07 **Q.2** Draw design and cross sections of treble cloth. 07 (a) Explain leno weaving with basic sheds. 07 **(b)** OR **(b)** Explain leno weaving by using flat steel doups with an eye. 07 Discuss the ornamentation of terry fabric. 07 Q.3 (a) Discuss the principles of figuring with extra threads. 07 **(b)** OR 0.3 (a) Draw designs for 3,4,5 and 6 picks terry weaves with draft, peg plan and 07 cross-sections. **07 (b)** Discuss the factors affecting double cloth designing. **Q.4** Explain principles of weft pile fabric giving designs of plain backed and twill backed structures with cross sections. OR (a) Explain spot effects in a fabric with suitable examples **Q.4** 07 Write notes on damasks and tapestry fabrics. **(b) Q.4** 07 Q.5 (a) What is colour and weave effect? Classify the colour and weave effects and list the effects produced by applying simple weave to single order of colouring. Draw any four designs. OR (a) Draw design of stripes effect using stripe weave and simple wefting Q.5 **07** with compound warping. (b) Draw design of check effect using simple weave, compound warping 07 and compound wefting. \*\*\*\*\*\*