

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**
(b) Draw design and cross sections of wadded weft backed cloth. **07**

- Q.2 (a)** Draw design and cross sections of treble cloth. **07**
(b) Explain leno weaving with basic sheds. **07**

OR

- (b)** Explain leno weaving by using flat steel doups with an eye. **07**

- Q.3 (a)** Discuss the ornamentation of terry fabric. **07**
(b) Discuss the principles of figuring with extra threads. **07**

OR

- Q.3 (a)** Draw designs for 3,4,5 and 6 picks terry weaves with draft, peg plan and cross-sections. **07**
(b) Discuss the factors affecting double cloth designing. **07**

- Q.4** Explain principles of weft pile fabric giving designs of plain backed and twill backed structures with cross sections. **14**

OR

- Q.4 (a)** Explain spot effects in a fabric with suitable examples **07**
Q.4 (b) Write notes on damasks and tapestry fabrics. **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. **14**

OR

- Q.5 (a)** Draw design of stripes effect using stripe weave and simple wefting with compound warping. **07**
(b) Draw design of check effect using simple weave , compound warping and compound wefting. **07**
