

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI(OLD) – EXAMINATION – SUMMER 2019****Subject Code:162902****Date:21/05/2019****Subject Name: Advance Fabric Structure & Cad****Time:10:30 AM TO 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. Use Textile Point Paper for Drawing designs

- Q.1** (a) Write in detail on various steps for preparing a jacquard design. **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) What are double plush cloths? How they are manufactured? Draw any one design of the same. **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** 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. Also write on use of CAD software for colour applications. **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**
