**Seat No.: _____** **Enrolment No._____**

# GUJARAT TECHNOLOGICAL UNIVERSITY

**BE - SEMESTER–VI (NEW) - EXAMINATION – SUMMER 2016**

**Subject Code:2162906** **Date:11/05/2016**

**Subject Name: Fabric Structure-II**

**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**

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|---|---|---|---|
| **Q.1** | **(a)** | What do you mean by compound fabric? Construct only design for self stitched double cloth by using back to face and face to back principle. | **07** |
| | **(b)** | Construct only design for the following:<br>1. Reversible warp back cloth<br>2. Weft back cloth with wadded warp | **07** |
| **Q.2** | **(a)** | Construct only design and draft for the Treble cloth using (Back to Face) principle to stitch three layers. | **07** |
| | **(b)** | What is pile height and pile density? Discuss factors affecting pile density. | **07** |
| | | **OR** | |
| | **(b)** | Construct design and cross-section for the following :<br>1. Plain Back velveteen with fast pile anchorage<br>2. Twill back velveteen | **07** |
| **Q.3** | **(a)** | Explain principle of cloth interchanging by giving suitable design for interchanging double cloth. | **07** |
| | **(b)** | Construct only design for the following:<br>1. Weft Wadded double cloth<br>2. Centre warp stitch double cloth | **07** |
| | | **OR** | |
| **Q.3** | **(a)** | Which weaves are suitable for weft back cloth? Why? Give design, draft and peg-plan for weft back cloth | **10** |
| | **(b)** | List out different stages of constructing jacquard design. | **04** |
| **Q.4** | **(a)** | Write a brief note on “Spider Leno” | **07** |
| | **(b)** | With the help of necessary sketches, explain negative easing motions incorporated for weaving of leno fabrics. | **07** |
| | | **OR** | |
| **Q.4** | **(a)** | With the help of designs, explain how check pattern can be produced using simple warping & simple wefting. | **08** |
| | **(b)** | Write a brief note on “Tapestry Fabrics”. | **06** |
| **Q.5** | **(a)** | With the help of example, explain how figured fabrics can be obtained using extra warp. | **07** |
| | **(b)** | With the help of designs, explain how warp pile is obtained using face to face principle. | **07** |
| | | **OR** | |
| **Q.5** | **(a)** | Write a brief note on “Terry Ornamentation”. | **07** |
| | **(b)** | Construct only design for the following:<br>1. 4 pick Terry with only face piles<br>2. Hairline Effect. | **07** |

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