# GUJARAT TECHNOLOGICAL UNIVERSITY
**BE - SEMESTER–VI (OLD) EXAMINATION – WINTER 2018**

**Subject Code:162902**                                          **Date: 04/12/2018**

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

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|---|---|---|---|
| **Q.1** | **(a)** | Discuss the special mechanisms required for weaving of terry towels. | 07 |
| | **(b)** | Describe the process of developing a jacquard design. | 07 |
| | | | |
| **Q.2** | **(a)** | Construct a spot design on 32 x 32 with 4 spot figures. Assume necessary data. | 07 |
| | **(b)** | Write a brief note on "Spider Leno". | 07 |
| | | **OR** | |
| | **(b)** | Describe the easing motions used in weaving of leno fabrics. | 07 |
| | | | |
| **Q.3** | **(a)** | Compare extra weft figuring fabrics with extra warp figuring fabrics. | 07 |
| | **(b)** | Write a brief note on "Damasks and Brocades". | 07 |
| | | **OR** | |
| **Q.3** | **(a)** | With help of an example, explain the construction of extra warp figuring. | 07 |
| | **(b)** | Give design, draft & pegplan for spot & continuous line effects. | 07 |
| | | | |
| **Q.4** | **(a)** | With the help of examples, explain how terry stripes are constructed. | 07 |
| | **(b)** | Explain how compound checks are produced. | 07 |
| | | **OR** | |
| **Q.4** | **(a)** | Compare warp back cloth with weft cloth. | 07 |
| | **(b)** | Write a brief note on "Corduroys". | 07 |
| | | | |
| **Q.5** | **(a)** | With the help of designs, explain how Wire Warp Piles are constructed. | 07 |
| | **(b)** | Construct design, draft and cross section for twill back velveteen. | 07 |
| | | **OR** | |
| **Q.5** | **(a)** | Construct only design & cross section for Self stitched double cloth. | 10 |
| | **(b)** | Give the function of using wadded threads. Construct only design for Weft wadded double cloth. | 04 |

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