

**GUJARAT TECHNOLOGICAL UNIVERSITY****B.E. Sem-III Remedial Examination May 2011****Subject code: 132901****Subject Name: Textile Fibers****Date: 25-05-2011****Time: 10.30 am – 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.

- Q.1** (a) Explain in detail the properties of silk fibre. **07**  
(b) Explain manufacturing process of NYLON 6 fibres. **07**
- Q.2** (a) Explain the growth and production of cotton fibre. **07**  
(b) Explain the growth, production and properties of Ramie fibres. **07**
- OR**
- (b) Explain manufacturing process of POLYESTER fibre. **07**
- Q.3** (a) Explain in detail the properties of wool fibres. **07**  
(b) Explain in detail the microscopic appearance of silk fibres. **07**
- OR**
- Q.3** (a) Explain manufacturing process of ACETATE RAYON. **07**  
(b) Explain manufacturing process of VINYLON fibre with properties. **07**
- Q.4** (a) Explain in detail Pineapple leaf fibres. **07**  
(b) Explain in detail Hemp fibres. **07**
- OR**
- Q.4** (a) Explain POLYPROPYLENE fibre with properties **07**  
(b) Explain manufacturing process of VISCOSE RAYON. **07**
- Q.5** (a) Explain in detail the manufacture of woollen yarn. **07**  
(b) Explain briefly the minor natural fibres. **07**
- OR**
- Q.5** (a) Explain manufacturing process of NYLON 6,6 fibres. **07**  
(b) Explain manufacturing process of Cuprammonium Rayon. **07**

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