

**B.TECH.**

**THEORY EXAMINATION (SEM-VIII) 2016-17**

**DEVELOPMENT OF WET PROCESSING**

**Time : 3 Hours**

**Max. Marks : 100**

**Note :** Be precise in your answer. In case of numerical problem assume data wherever not provided.

**SECTION-A**

**1 Explain the following: (10×2=20)**

- a) What do you mean by delustureing?
- b) What is difference between felting and milling of wool?
- c) Enlist different factors influencing heat setting of polyester fabric
- d) What do you mean by antistatic finish?
- e) Write down the names of antistatic finish.
- f) What types of finishes applicable on cotton fabrics?
- g) What types of finishes applicable on Lenin fabrics?
- h) What do you mean by scrooping?
- i) What is sanforisation?
- j) What is the aim of napping?

**SECTION-B**

**2 Attempt any five of the following: (10×5=50)**

- a) What is raising? What is the purpose of raising in textile finishing? Describe with neat diagram the working of raising machine.
- b) Give the mechanism of antistatic finish.
- c) What is difference between fire repellent and water fire proof fabric?
- d) Name various test for assessing water repellency of textiles.
- e) What do you mean by water repellency? Discuss mechanism of water repellency?
- f) Name various methods for producing flame retardant synthetic fibre textile. How flame Retardant finish applied on polyester fabrics.
- g) What is difference between water repellent and water proof fabric?
- h) Discuss the object and techno-physical aspects of calendering. Give the Classification of Calendering process.

**SECTION-C**

**Attempt any two of the following: (15×2=30)**

- 3** Explain principle and working of a Beetling machine for finishing of linen fabrics.
- 4** How permanent setting of woollen fabrics is carried. Discuss by giving appropriate figure and working of machine.
- 5** Enlist various calendars available. Discuss about Swizzing calendar and Chasing calendar in detail.