

Printed pages: 1

EPL025

(Following paper code and roll no. to be filled in your answer book)

Paper Id: 187661

Roll No.

B TECH
(SEM. VI) THEORY EXAMINATION 2014-15
FIBER TECHNOLOGY

TIME: 2 Hours

Total Marks: 50

Note: Attempt all questions. Each question carries equal marks.

1. Define any *five* of the following:

(2×5=10)

- a. Crimp
- b. Moisture content
- c. Refractive index
- d. Natural fibre
- e. ISO and FTC nomenclature
- f. Twisting & texturing
- g. Denier & Tex.

2. Answer any three of the following:

(10×3=30)

- a. Explain the process of wet spinning of fibres in detail.
- b. Discuss the physical and chemical properties of fibres.
- c. Write a detailed note on cotton as fiber. Discuss its cultivation, grading, properties and the process of ginning.
- d. Explain heat setting and texturing for fibers based on viscose.
- e. Explain the process of melt spinning in detail