

Printed Pages :2



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NTT-304

(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 160304

Roll No.

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B.Tech. (Semester-III)

SPL. THEORY EXAMINATION, 2014-15

TEXTILE FIBERS – I

Time : 2 Hours]

[Total Marks : 50

Note: Attempt all the questions. All questions carry equal (10) marks.

Q1. Attempt any two parts of the following: 10 Marks

(a) What do you understand by fiber. What are essential properties of textile fiber?

(b) What do you understand by man-made fiber? How these are obtained. Give name of any five manmade fibers.

(c) Give broad classification of textile fiber.

Q2. Attempt any two parts of the following: 10 Marks

(a) What do you understand by grading of cotton discuss in detail different grading system followed in world.

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(1)

[Contd...

- (b) Explain effect of acid & alkalis on the cotton fiber.
- (c) What do you understand by Variety of cotton? Give brief description any five Indian Varieties

Q3. Attempt any two parts of the following: 10 Marks

- (a) What do you understand by retting process? Explain different types of retting.
- (b) Discuss Structure & properties of linen fiber in detail.
- (c) Why strength of linen is more than cotton but elongation is less? Discuss in detail.

Q4. Attempt any one part of the following: 10 Marks

- (a) Discuss development of cotton fiber in plant along with its morphological structure in detail.
- (b) Discuss various properties of wool fiber & their importance in application of woolen fiber for use in garment.

Q5. Attempt any one part of the following: 10 Marks

- (a) Discuss any five properties of cotton fiber in detail along with their importance.
- (b) How Silk fiber is obtained. Discuss complete cycle including reeling process.

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