



NS – 383

I Semester B.Sc. (FAD) Examination, November/December 2016
(CBCS) (2014-15 and Onwards) (F + R)
FASHION AND APPAREL DESIGN
103 : Fibre and Yarn Science

Time : 3 Hours

Max. Marks : 70

Instruction : All Sections are compulsory.

SECTION – A

I. Answer **any 10** of the following :

(10×2=20)

- 1) Define polymer.
- 2) Mention end uses of Ramie fiber.
- 3) Draw the cross sectional view of cotton fiber.
- 4) List end uses of viscose Rayon fiber.
- 5) What are regenerated fibers ?
- 6) What is polymerization ?
- 7) Define blends.
- 8) Name any two properties of sewing threads.
- 9) What is Tencel fiber ?
- 10) Define worsted yarn.
- 11) Instrument used for yarn twist is _____ and yarn count is _____
- 12) What does to term twoply refers to ?

SECTION – B

II. Answer **any five** of the following :

(5×4=20)

- 13) Write the burning characteristics of Cotton and Nylon Fibers.
- 14) State the properties and end uses of silk fibers.
- 15) State the differences between Ring and Airjet spinning.
- 16) Explain additional and condensation polymerization.
- 17) What is texturization ? Give advantages of Texturization.
- 18) What are synthetic fibers ? Name any four synthetic fibers.

P.T.O.



SECTION – C

III. Answer **any five** of the following :

(5×6=30)

- 19) Classify the textile fibers based on their source and origin.
 - 20) Discuss the physical and chemical properties of cotton fiber.
 - 21) Draw the longitudinal and cross sectional view of Nylon, Cotton and Silk fibers.
 - 22) Describe the texturisation process.
 - 23) Explain the properties of sewing threads ?
 - 24) Explain the properties of acrylic fiber.
 - 25) Write a note on simplex and compound yarns.
 - 26) Compare ring, rotor and airjet spinning.
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