



SN – 428

I Semester B.Sc. (FAD) Examination, November/December 2017
(CBCS) (Semester Scheme) (2014 – 15 & Onwards)
(F+R)

Fashion and Apparel Design
14FAD103 : FIBRE AND YARN SCIENCE

Time : 3 Hours

Max. Marks : 70

Instructions : 1) *All Sections are compulsory.*
2) *Write the question numbers legibly.*

SECTION – A

I. Answer any 10 of the following :

(10×2=20)

- 1) Define Tenacity.
- 2) State the uses of Bamboo fibre.
- 3) Mention the physical properties of cotton fibre.
- 4) What are the uses of Acrylic fibres ?
- 5) Differentiate spun yarn and filament yarn.
- 6) Mention the mineral fibres.
- 7) Draw the L.S. and C.S. for silk.
- 8) Define Denier.
- 9) Define polymer.
- 10) What is corded yarn ?
- 11) Define Blend.
- 12) What is fancy yarn ?

P.T.O.



SECTION – B

II. Answer **any 5** of the following :

(5×4=20)

- 13) How are fibres classified ?
- 14) Describe the action of Acid and Alkali on wool fibre.
- 15) Differentiate between ring and rotor spinning process.
- 16) Explain the characteristics of fibre forming polymers.
- 17) Describe false twist texturisation process.
- 18) Draw any four fancy yarns.

SECTION – C

III. Answer **any 5** of the following :

(5×6=30)

- 19) Explain cotton spinning system with the help of flow chart.
 - 20) Explain different types of yarn.
 - 21) Write difference between orientation and crystallinity with suitable illustration.
 - 22) Explain different types of copolymer.
 - 23) How woollen yarn is produced with the help of flow chart ?
 - 24) Explain the physical properties of Nylon fibre.
 - 25) How to identify synthetic fibres ?
 - 26) State the properties and end uses of Tencel fibres.
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