

MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD SEMESTER B. DES. (FD) DEGREE EXAMINATION – JAN/FEB 2019
SUBJECT: BFD 203 – TEXTILES
(2015 SCHEME)

Tuesday, February 05, 2019

Time: 10:00 – 13:00 Hrs.

Max. Marks: 50

✍ Answer any FIVE complete questions.

1. Explain the type of fiber suitable for the following purposes and justify the same.

- 1A. Summer apparel
- 1B. Winter apparel
- 1C. Swim wear
- 1D. Sewing threads
- 1E. Rainy wear

(2 marks × 5 = 10 marks)

2. Explain the type of weave suitable for the following purposes and explain the same.

- 2A. Trousers
- 2B. Towels
- 2C. Saree
- 2D. Carpets
- 2E. Lustrous fabrics

(2 marks × 5 = 10 marks)

3. Write short notes on the following:

- 3A. Simple yarns
- 3B. Regenerated cellulose fiber
- 3C. Difference between weaving and knitting
- 3D. Types of selvages
- 3E. Yarn count for filament yarns

(2 marks × 5 = 10 marks)

4. Explain the microscopic appearance of the following fibers with suitable illustrations:

- 4A. Cotton
- 4B. Linen
- 4C. Wool
- 4D. Polyester
- 4E. Silk

(2 marks × 5 = 10 marks)

5. Write the flow chart in the manufacture of the following yarns:

- 5A. Cotton
- 5B. Wool
- 5C. Viscose rayon
- 5D. Silk
- 5E. Linen

(2 marks \times 5 = 10 marks)

6. Compare the following properties for cotton and wool yarns:

- 6A. Composition
- 6B. Strength
- 6C. Resiliency
- 6D. Absorbency
- 6E. Resistance to alkalies
- 6F. Resistance to insects
- 6G. Drapability
- 6H. Effect of heat
- 6I. Resistance to acids
- 6J. Affinity for dyes

(1 mark \times 10 = 10 marks)

