

II Semester B.Sc. (FAD) Examination, May 2016  
(CBCS) (Fresh + Repeaters) (2014-15 and Onwards)  
Fashion and Apparel Design  
FAD 203 A : FABRIC SCIENCE AND ANALYSIS

Time : 3 Hours

Max. Marks : 70

**Instruction :** Answer **any ten** questions from Section **A**, **five** from Section **B** and **five** from Section **C**.

## SECTION – A

- I. Answer **any ten** of the following : (10×2=20)
- 1) Name any two fabric formation techniques.
  - 2) What is splicing ?
  - 3) State the objectives of winding.
  - 4) State the objectives of sizing.
  - 5) Name 2 Adhesives used in sizing.
  - 6) What is drawing in and densing ?
  - 7) Name secondary motions.
  - 8) Name two auxiliary motions.
  - 9) Mention any 2 basic weaves.
  - 10) State the difference between Satin and sateen.
  - 11) What are Georgette and Chifon fabrics ?
  - 12) Define wales and courses.

## SECTION – B

- II. Answer **any five** questions of the following : (5×4=20)
- 13) Explain the primary motions of a loom.
  - 14) What are weft rib structure ? State their characteristics with a loop diagram.

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- 15) State the differences between Khadi and power loom fabric.
- 16) Explain what is 30<sup>s</sup> Nc, 100<sup>s</sup> NC, 30 Tex, 40 Derier.
- 17) Classify the looms and state their features.
- 18) What is ornamentation of fabric ? State different techniques used.

### SECTION – C

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

(5×6=30)

- 19) Give the design, draft, denting and lifting plan for plain weave.
  - 20) Give the design, draft, denting and lifting plan for Herring bone weave.
  - 21) State the salient features of Brocade and Damask fabrics.
  - 22) Write a note on application of Basket and Rib weave.
  - 23) Briefly discuss on Pochampalli and Kota Handloom clusters in India.
  - 24) Give the loop diagram for Single Jersey fabric.
  - 25) State the difference between warp and weft pile structures with example.
  - 26) Discuss briefly on Khadi Industry.
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