

**II Semester B.Sc. (FAD) Examination, May/June 2018**

**(CBCS) (2014-15 and Onwards) (F + R)**

**Fashion and Apparel Design**

**14 FAD – 203A : 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) State the different methods of fabric formations.
- 2) State the characteristics of woven fabrics.
- 3) How do you remove yarn defects in winding machine ?
- 4) State the difference between beam and sectional warping.
- 5) Name the functions of adhesives and lubricants in size paste.
- 6) Define reed count.
- 7) Define English yarn count.
- 8) State the difference between Ends/in and Picks/in.
- 9) Name the secondary motions of loom.
- 10) What are simple structures ? Give examples.
- 11) State the characteristics of plain weave fabric.
- 12) What are Khadi fabrics ?

**SECTION – B**

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

**(5×4=20)**

- 13) What are non woven fabrics ? Classify the non woven fabrics and state their end uses.
- 14) Write briefly on handloom sector.
- 15) State the difference between satin and sateen fabric. Give the design for 5 end sateen fabric.



- 16) Give the loop diagram for weft rib fabric. State their characteristics.
- 17) How do you ornament a plain weave fabrics ? Explain.
- 18) What is the difference between velvet and velveteen ? State their characteristics with an example.
- 19) What is a selvedge ? Explain its types.

### SECTION - C

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

(5×6=30)

- 20) Give the design, draft and lifting plan for plain weave.
- 21) What is crepe yarn ? Name the different fabric structure produced using crepe yarns with characteristics.
- 22) Give the design, draft and lifting plan for Herringbone weave.
- 23) What are the characteristics of Denim fabric ? Give the design for 3/1 twill weave.
- 24) Give the loop diagram for face and reverse loop stitch. State the importance of stitch length in knitted fabric.
- 25) Give the design and lifting plan for 2/2 matt weave.
- 26) State the difference between Damask and Brocade weave. Write on brocade designs of Banaras.
- 27) Explain the importance of fabric geometry of woven and knitted fabrics.

### SECTION - B

(5×4=20)