US – 434

II Semester B.Sc. (FAD) Examination, May 2017
(CBCS) (2014 – 15 & Onwards)
(Fresh + Repeaters)
FASHION AND APPAREL DESIGN
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) What is Pirn Winding ?
2) State the differences between beam and sectional warping.
3) State the objectives of sizing.
4) What is the function of a reed ?
5) What is shedding ?
6) Name the method of fabrics formation.
7) State the difference between Satin and Sateen weaves.
8) What are crepe fabrics ?
9) What are pile fabrics ?
10) State the Geometrical parameters of fabrics.
11) State the difference between woven and knitted fabrics.
12) Name the Basic weft knitted structures.

SECTION – B

II. Answer **any five** questions of the following : **(5×4=20)**

13) Explain the classification of loom.

14) Give the design for
a) 2/2 twill b) 3/1 pointed twill

P.T.O.

15) Give the design for satin weave.

16) Explain the primary motions of weaving.

17) Give the characteristics of woven fabrics.

18) State the differences between warp and weft knitted fabrics.

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SECTION – C

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III. Answer **any five** of the following : (5×6=

19) Name the variation of plain weave structures. Give the design for the same.

An

20) Explain the motions of a loom.

1)

21) What is extra warp and weft structures ? State their salient features of the extra thread structures.

2)

3

22) Differentiate between warp and weft knit structures. Give the loop diagram for plain and rib structures.

4

5

23) Write a note on Non woven fabrics.

24) Discuss briefly on Khadi Industry.

25) Explain the mechanism of different types of shuttleless loom.

26) Briefly discuss on the following textile cluster

1) Kancheepuram 2) Varanasi

27) Explain the terms :

a) Yarn count b) Grain c) Fabric weight