



17571

11819

3 Hours / 100 Marks

Seat No.

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- Instructions :**
- (1) *All questions are **compulsory**.*
 - (2) *Answer **each** next main question on a **new** page.*
 - (3) *Illustrate your answers with neat sketches **wherever** necessary.*
 - (4) *Figures to the **right** indicate **full** marks.*
 - (5) *Assume suitable data, if **necessary**.*
 - (6) *Mobile Phone, Pager and any other Electronic Communication devices are **not permissible** in Examination Hall.*

Marks

1. Solve **any 5**.

20

- 1) What are cord ends ? Describe its planning process in brief.
- 2) Explain in brief about double cloths, its uses and applications.
- 3) State the principles of figuring with extra materials.
- 4) State the uses of gauze and leno structures.
- 5) The classify the pile structures with examples.
- 6) What is meant by needle order and cam order ?

2. Solve **any 4**.

16

- 1) Explain the concept of patterning in weft knitting.
- 2) Differentiate between welt and pique structures.
- 3) Write the step by step development of reversible warp backed cloth with suitable example.
- 4) Compare centre warp and centre weft stitching in double cloths.
- 5) Explain the methods of disposing of surplus extra threads.
- 6) Differentiate between gauze and leno structure.

3. Solve **any 4**.

16

- 1) Explain about the special mechanism required in terry weaving.
- 2) Draw the design and give the needle order and cam order for honey comb fabrics.
- 3) Describe the formation of twill effect with 4 feeder.

P.T.O.

**Marks**

- 4) Draw the draft, denting order and lifting plan for plain faced wadded Bedford cord.
- 5) Explain the thread ratio and its relationship with face and back structures.
- 6) Explain the beaming and drafting of self stitched double cloths.

4. Solve any 4.**16**

- 1) Explain the methods of producing gauze and leno structures.
- 2) Give the classification of velveteens.
- 3) Draw design and give the needle order and cam order for swiss pique.
- 4) Describe the formation of colour patterns in weft knitting.
- 5) Construct design, draft, peg-plan and cross section of ordinary and fast back welt structures.
- 6) Write the step-by-step development of warp backed cloth.

5. Solve any 2.**16**

- 1) Explain in detail the development of reversible double cloth designs with neat sketches.
- 2) Draw the design, draft and peg plan of a leno structure produced with flat steel doup with an eye.
- 3) Explain the concept, development and cross sectional view of wadded structures.

6. Solve any 2.**16**

- 1) What are the loom requirements for warp backed cloth, weft backed cloth and wadded back cloth ?
 - 2) a) What is continuous figuring and intermittent figuring ?
b) Explain the concept development of terry pile structures.
 - 3) a) Give the design, needle order and cam order for single interlock pique.
b) Explain the formation of striped patterns and vertical patterns in knitted fabric.
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