

17689

16172

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) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. **Attempt any FIVE of the following:** **20**
- a) Define “Denim” give the fabric particulars required for Denim.
- b) Draw the structure of indigo dye?
- c) Explain the concept of Warp knit and Weft knit fabrics.
- d) Give the process sequence for chemical processing of knitted goods
- e) Describe the essential properties of terry towel fabrics.
- f) Explain the concept of pre-garment stage processing.
- g) Name various end uses of furnishing fabric.

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- 2. Attempt any FOUR of the following:** **16**
- a) List various types of Denim fabrics and differentiate.
 - b) Draw neat labelled sketch for rope dyeing of Denim also give the process flow for dyeing in rope form.
 - c) Explain the stone wash treatment for Denims.
 - d) Explain the chemistry of Indigo dyeing.
 - e) Explain dyeing process of knitted goods with reactive dyes.
 - f) Describe the tubular form processing of knit goods.
- 3. Attempt any FOUR of the following:** **16**
- a) Describe the acid wash treatment of Denim goods.
 - b) State the advantages and disadvantages of sheet form dyeing of Denims.
 - c) Explain the pretreatments of knitted goods on soft flow dyeing machine.
 - d) With neat sketch explain compacting treatment of knitted goods.
 - e) Explain the mechanical finishing of knitted fabrics.
 - f) Describe the mercerisation treatment for knitted goods.
- 4. Attempt any FOUR of the following:** **16**
- a) Describe the various weave structures used for construction of terry towel goods.
 - b) Explain the process sequence for processing to terry towels.
 - c) Enlist the various end uses of terry towel goods.
 - d) State the advantages and disadvantages of garment stage processing.
 - e) Explain the mechanism of Bio-polishing.
 - f) State the object of wrinkle free treatment and give formation for it.

- 5. Attempt any FOUR of the following: 16**
- a) Explain the working of high temperature terry towel dyeing machine.
 - b) Explain the various finishes used for terry towels.
 - c) Describe flock printing method.
 - d) Explain the mechanism of antimicrobial finishing.
 - e) Explain the working of paddle dyeing machines with neat sketch.
 - f) Describe the mud wash treatment for non-denim garments.
- 6. Attempt any FOUR of the following: 16**
- a) Advantages and disadvantages of enzyme wash.
 - b) Explain the working of soft flow dyeing machine.
 - c) Explain the working of Tumble dryer.
 - d) Describe process flow for pretreatment of finishing fabrics.
 - e) Enlist general properties required in furnishing fabrics.
 - f) Describe the various defects in finishing fabrics and their remedies.
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