

17689

11920

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. Attempt any FIVE of the following :** **20**
- a) Explain the fabric particulars required for denim fabric.
- b) Write the process sequence and parameters for rope form dyeing of Denim warp.
- c) Differentiate between warp knitted and weft knitted fabrics.
- d) Describe the role of compactor in Knit fabric processing.
- e) Write the essential requirements for terry towel fabric.
- f) Write the print paste formulation for Khadi printing also explain the printing process.
- g) Write eight(8) applications of furnishing fabrics.

P.T.O.

- 2. Attempt any TWO of the following :** **16**
- a) With chemical structure, Explain properties of Indigo dye. Also explain application method of indigo dyes.
 - b) Explain the method for producing stone wash on denim garments.
 - c) Write the process sequence for processing of knitted fabric in tubular form. also explain singeing process of knitted fabrics.
- 3. Attempt any TWO of the following :** **16**
- a) Explain the enzyme wash for Denim garments. Also state its advantages and limitations.
 - b) Explain dyeing of cotton knitted fabrics in soft flow dyeing machine with reactive dyes. Draw the diagram for soft-flow m/c.
 - c) List the chemical finishes carried out to knitted fabrics. Explain two of them.
- 4. Attempt any TWO of the following :** **16**
- a) Describe :
 - (i) Sand blasting wash of denims
 - (ii) Decatising of knitted fabrics.
 - b) Explain the process sequence for processing of terry towels. Also state the precautions needed while processing of terry.
 - c) Explain :
 - (i) Softening treatment for terry towel fabrics.
 - (ii) Working of pedal dyeing machine.

- 5. Attempt any TWO of the following :** **16**
- a) Enlist terry towel applications according to its size, also explain reactive dyeing for terry towel fabrics.
 - b) Differentiate between pre-garment stage and garment stage processing. State advantages and disadvantages of each.
 - c) Explain :
 - (i) Two defects in furnishing fabrics and give its remedies.
 - (ii) Chalk wash on garments.
- 6. Attempt any TWO of the following :** **16**
- a) Explain the mechanism of Bio-polishing. Also explain the method for bio-polishing. State its advantages and disadvantages.
 - b) Describe :
 - (i) Antimicrobial finishing method and its application.
 - (ii) Working of pedal dyeing machine.
 - c) Write the process sequence for manufacturing carpets by tufting method. Also explain one finishing method used for carpets.
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