

17689

15162

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) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) 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) Write a note on the different types of denim fabrics used for fashions.
 - b) Differentiate between warp knit and weft knit fabrics.
(Any four points)
 - c) Describe the structure of terry towel fabrics.
 - d) Compare Pre-garment stage and garment stage processing.
 - e) State the general properties of furnishing fabrics.
 - f) Enlist and explain the essential properties of terry towel fabrics.
 - g) Write a note on the desirable properties of furnishing fabrics due to finishing processes.

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- 2. Attempt any TWO of the following: 16**
- a) Explain the chemistry and process of warp dyeing using indigo dyes.
 - b) Write a note on the process sequence of tubular and open width knitted fabrics.
 - c) Draw a neat labelled diagram of paddle dyeing machine and tumble dryer. Also explain the working principle and procedure.
- 3. Attempt any TWO of the following: 16**
- a) With a neat labelled diagram, explain the sheet and rope form of indigo dyeing equipment.
 - b) Write the process sequence and explain the processing conditions employed in the wet processing of tarry towel fabrics.
 - c) Explain mud wash, ion wash, chalk wash and acid wash for Garments.
- 4. Attempt any TWO of the following: 16**
- a) Draw a neat labelled diagram of soft flow machine and write its working principle, procedure and its application in wet processing.
 - b) Explain the procedure for antimicrobial finishing and bio-polishing of garments.
 - c) Enlist the defects observed in the processing of furnishing fabrics. Write its causes and their remedies also.

- 5. Attempt any TWO of the following:** **16**
- a) Explain the stone wash, enzyme wash, antique wash and sand blast wash of denim garments.
 - b) Write the procedure of dyeing of knitted fabrics using reactive dyes and vat dyes.
 - c) Write a note on the machineries used and the process control parameters of the same for processing of terry towel fabrics.
- 6. Attempt any TWO of the following:** **16**
- a) Write a note on the dyeing finishing of denim fabrics.
 - b) Enlist the different chemical and mechanical finishes for knitted fabric ? Explain any two each.
 - c) Write a note on the various printing effects that can be achieved on garments.
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