

17689

21819

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) Enlist different types of the fabric particulars required for denim fabric.
 - b) Explain the stone wash treatment of denim goods.
 - c) Give the process sequence for processing of knitted goods in tubular form.
 - d) Enlist which all machines could be used for dyeing of knitted cotton fabrics with reactive dyes.
 - e) List the essential properties required for terry towel fabric.
 - f) Draw neat labeled diagram of pedal dyeing machine.
 - g) List the various types of furnishing fabrics.

P.T.O.

- 2. Attempt any TWO of the following:** **16**
- a) Give brief classification of enzymes used in denim finishing. Also explain procedure for producing enzyme wash.
 - b) Describe rope form dyeing of denim fabrics also state its advantages and disadvantages.
 - c) Enlist all the pretreatment sequences carried out for knitted fabrics out of which explain different types of singeing process of knitted a fabric.
- 3. Attempt any TWO of the following:** **16**
- a) Explain top dyeing of denim fabrics with sulfur dyes.
 - b) Explain bleaching of knitted fabric in tubular form. Also mention the process conditions for peroxide bleaching.
 - c) Describe:
 - (i) Acid wash on denim fabrics.
 - (ii) Compacting treatment of knitted fabrics.
- 4. Attempt any TWO of the following:** **16**
- a) Explain any five types of defects in processing of furnishing fabrics. Also mention the causes and remedies of the same.
 - b) Describe the fabric structure required for terry towel fabrics. Also explain the process sequence for terry towel processing.
 - c) With neat outline sketch explain the working of CBR used for terry towel processing.

5. Attempt any TWO of the following:**16**

- a) Explain:
 - (i) End uses of terry towel fabric
 - (ii) Various application of furnishing fabrics.
- b) Write short note on bio-polishing treatment. Explain. Also state its advantages and disadvantages.
- c) Describe the concept of antimicrobial finishing. Also state the various application of antimicrobial finishes.

6. Attempt any TWO of the following:**16**

- a) Give the print paste formulation for plastisol printing. List the various applications of plastisol prints.
 - b) With neat sketch explain working of tumble dryer.
 - c) Describe the processing of home furnishing fabrics.
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