

17576

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) 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 the objectives of finishing of textiles.
 - b) Describe the term carbbing of wool, write the procedure of crabbing process.
 - c) State objective of Scroopy finish? Also state name of fabric on which this finish is carried out.
 - d) Write the process sequence for finishing of denims.
 - e) Draw a neat labelled diagram of a tumble dryer and write its working principle.
 - f) Write a note on ‘nano finishes’ and give its relevance in textile finishing.
 - g) Explain two techniques of stain removal.

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- 2. Attempt any TWO of the following:** **16**
- a) Explain the concept of :
 - (i) Exhaust method and
 - (ii) Padding method of finish application
 - b) Explain the process for producing 'ion wash' objectives on denim garments. Give two objectives of the process.
 - c) Enlist any eight types of stains and their appropriate stain removing agents and conditions.
- 3. Attempt any TWO of the following:** **16**
- a) With a neat labelled diagram, write down the working principle of a basic calendaring machine.
 - b) Explain the mechanism of softener action? Write down any four properties of silicone softeners.
 - c) Write the procedure of stone wash and acid wash of denims. Also write any one limitation of each wash.
- 4. Attempt any TWO of the following:** **16**
- a) Explain the concept of following terms in Resin finish.
 - (i) Process method.
 - (ii) Post cure method.
 - (iii) Wash - n - wear finish.
 - (iv) Double press finish.
 - b) Describe mechanism of Bio-polishing? Also explain the process to produce bio-polishing effect on garments.
 - c) With a neat labelled diagram, explain the principle and working procedure of a garment dyeing machine.

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

- a) Write a detailed procedure of :
 - (i) Decatizing finish and
 - (ii) Sanforising finishing
- b) Describe two dry process carried out for Denim fading. State advantages and limitations of each.
- c) Enlist the objectives of :
 - (i) UV finish and
 - (ii) Fragrance finish of textiles.Give two end uses of each.

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

- a) Explain mechanism of flame Retardancy by one method. Also write one process to produce flame retardant finish.
 - b) Describe the process to produce sand blasting effect on Denim trousers. State advantages and limitations of the same.
 - c) Draw a neat labelled diagram :
 - (i) A curing cabinet and
 - (ii) Hydro extractor.Also write the working principle of both
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