

314351

24225

3 Hours / 70 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Illustrate your answers with neat sketches wherever necessary.
(3) Figures to the right indicate full marks.
(4) Use of Non-programmable Electronic Pocket Calculator is permissible.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following : 10
- State the objectives of finishing.
 - Enlist various types of softeners used for cotton.
 - Give any two finishes applied on denim fabric with their end uses.
 - Enlist any four garment processing machinaries.
 - Name any two types of stains and suggest removing agents for the same.
 - Write the applications of sueding process.
 - State the importance of dry cleaning.

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- 2. Attempt any THREE of the following :** **12**
- a) Explain the objectives method of application with recipe and uses of Fragrance finish.
 - b) Explain exhaust and padding methods used in chemical finishing of fabrics.
 - c) Explain the process parameters of the calendaring machine with neat sketch.
 - d) Describe the construction and working of Tumble Dryer.
- 3. Attempt any THREE of the following :** **12**
- a) Explain the concept, recipe and application method for antimicrobial finishing.
 - b) Suggest process parameters and procedure for acid wash.
 - c) Explain the working of rotary drum garment dyeing machine with neat sketch.
 - d) Describe stain removing technique to remove soil and cooking oil stains.
- 4. Attempt any THREE of the following :** **12**
- a) Describe the working of stenter machine with neat sketch.
 - b) Explain the process of producing soil release finish on textile fabric.
 - c) Explain the method of produce chalk wash and Ion wash effect on Non-denim garments.
 - d) Draw neat labelled diagram of Garment washing machine. Also state its end uses.
 - e) Explain the method to determine the light fastness of the garments.

5. Attempt any TWO of the following : 12

- a) With neat labelled diagram, describe construction and working of sanforiser machine.
- b) Suggest economical and ecofriendly resin finishing for cotton fabric with justification. Also explain the concept of Pre-cure and post-cure method.
- c) Explain the process of stone wash with its advantages and disadvantages.

6. Attempt any TWO of the following : 12

- a) Differentiate between Anti-crease, wash n wear and durable press.
 - b) Suggest the suitable process parameters for bio-polishing of cotton. Also state advantages and disadvantages of bio-polishing.
 - c) Explain method for determining dry and wet rubbing fastness of garment.
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