

22579

23124

3 Hours / 70 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 :**

**10**

- (a) Draw the lay-out of garment processing unit.
- (b) State the objectives of stone-wash.
- (c) Write classification of enzymes used in garment washing.
- (d) Draw a neat labelled diagram of tumble dryer.
- (e) State objectives of garment printing.
- (f) Enlist the garment finishing methods.
- (g) Draw four wash care symbols and interpret them.

**2. Attempt any THREE of the following :**

**12**

- (a) Differentiate between garment processing and fabric processing (any four points).
- (b) Elaborate the process to produce stone wash effect on garments.
- (c) Draw a neat labelled sketch and explain the principle of hydro-extractor.
- (d) Explain the concept of flock printing in detail.



- 3. Attempt any THREE of the following : 12**
- (a) With example, justify the selection of a fibre for its suitable application based on the properties.
  - (b) Describe the process of laser fading on denims. State its advantages.
  - (c) Explain the working principle of RF dryer with a neat labelled sketch.
  - (d) Explain the concept of 'photochromic printing'. State its applications.
- 4. Attempt any THREE of the following : 12**
- (a) Identify two major issues in garment processing industry and suggest the remedy for overcoming the same.
  - (b) Describe the process to produce mud wash effect on Denim garments.
  - (c) Elaborate the objectives of fusing process in garment construction and write its working principle.
  - (d) Elaborate the application method to produce puff prints on garments.
  - (e) Explain the concept of digital printing and write any four advantages.
- 5. Attempt any TWO of the following : 12**
- (a) Describe the spray booth system to produce fading effect on denims. Explain the disadvantages of the same.
  - (b) Suggest any two methods to produce stone wash effect on garments without making use of pumice stones.
  - (c) Demonstrate a method to produce water repellent and antimicrobial finish on garments separately.
- 6. Attempt any TWO of the following : 12**
- (a) Explain the concept of moisture management finishes. State their applications methods and end uses.
  - (b) Identify three stains and elaborate the stain removal methods of the same.
  - (c) Explain the objective of dry cleaning of garment. List the names of chemicals used in dry-cleaning. Also write the ecofriendly chemicals out of the listed ones.
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