

22579

22232

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.

Marks

1. Attempt any FIVE of the following :

10

- (a) Define “Garment Processing”.
- (b) Enlist any four issues related to garment processing.
- (c) Draw process sequence of denim washes.
- (d) State the objectives of stone wash.
- (e) State the working principle of garment dyeing machines.
- (f) List out the end uses of Tumble dryer.
- (g) State the objectives of UV protection finish for garments.

2. Attempt any THREE of the following :

12

- (a) State any four advantages and four limitations of garment processing.
- (b) Explain in detail “Stone Wash” process of denim.
- (c) Explain with sketch, principle, working and application of hydro extractor.
- (d) Describe flock printing w.r.t. concept, application method and uses.



- 3. Attempt any THREE of the following :** **12**
- (a) Describe with neat sketch the process sequences of Acid wash of denim fabric.
 - (b) Explain RF drier w.r. to principle, working and application.
 - (c) Describe the concept, application method and uses of plastizol prints.
 - (d) Formulate (with flow chart) the procedure to create a distressed appearance on the denim garment by the use of stones.
- 4. Attempt any THREE of the following :** **12**
- (a) Explain the importance of garment processing w.r.t. (i) Changing fashion (ii) Delivery time (iii) Lot size
 - (b) Explain the objectives & give process parameters of “Sand Blasting” process of denim.
 - (c) Explain with sketches the principle, working mechanism and application of the spray booth system in garment processing.
 - (d) Explain the objectives & method of application of wash and wear finish on cotton garment.
 - (e) Explain the objects, importance, types of labels and symbols used in the labelling of garment.
- 5. Attempt any TWO of the following :** **12**
- (a) Explain with neat sketch, principle, working mechanism and application of pressing & fusing machines.
 - (b) Suggest any one of each chemical and mechanical methods with process parameters for creating fading and worn out effect on denim garment.
 - (c) Suggest the methods of identifying different types of stains on garments. Also suggest the process of stain removal of oil & grease, blood, tea and coffee.

6. Attempt any TWO of the following :**12**

- (a) Suggest relevant printing technique with their concept for printing the following :
- (i) Colour changing prints on garments
 - (ii) Shiny prints for kids and women clothing
 - (iii) Raised prints for cotton garments
- (b) Suggest relevant finishing technique, the chemicals used along with their method of application for creating the following :
- (i) Protection from UV rays.
 - (ii) Protection from micro organisms.
 - (iii) Protection from water or rain.
- (c) Suggest relevant chemicals, solvents and procedure for dry cleaning of garments. Also comment on the ecofriendliness of the solvents suggested.
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