

22579

**11920**

**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) 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) State the advantages of garment processing.
- (b) Enlist any two mechanical & chemical washing effects given to denim garments.
- (c) State the conditions to be used for desizing of denim garments.
- (d) State the various criteria for sewing threads used in manufacturing of denim garments.
- (e) State the principle & application of RF drier.
- (f) State any two advantages & limitations of garment dyeing with pigments.
- (g) State objects of fragrance finish.

- 2. Attempt any THREE of the following : 12**
- (a) Explain the process of stone wash of denim garments with merits and demerits.
  - (b) Explain with neat sketch the working principle & mechanism of paddle dyeing machine.
  - (c) Explain the practical issues in garment dyeing.
  - (d) Describe with sequence the process of foil printing on garments.
- 3. Attempt any THREE of the following : 12**
- (a) Describe with recipe the process to produce gold print on garments.
  - (b) Describe with process sequence the mud wash effect on garments.
  - (c) Formulate with flowchart the procedure to create acid wash on denim garments.
  - (d) Explain with neat sketch, the construction & working principle of tumble drier.
- 4. Attempt any THREE of the following : 12**
- (a) Differentiate between fabric processing and garment processing.
  - (b) Explain with sketch, the principle, working mechanism and application of the spray booth systems.
  - (c) Explain the objectives, process parameters and applications of sand blasting of denim garments.
  - (d) Explain the objects, importance, types of labels and symbols used for garments.
  - (e) Compare various application techniques available for application of finish on garments.

- 5. Attempt any TWO of the following : 12**
- (a) Explain with sketches, the principle, working mechanism of the types of garment washing machines.
  - (b) Explain with flowchart, the process of enzyme wash on denim garments.
  - (c) Suggest suitable stain removers for mud, lipstick, rust and oil stains on garments with the procedure for its removal.
- 6. Attempt any TWO of the following : 12**
- (a) Suggest relevant finish to be used with recipe used along with their method of application for creating following effects :
    - (i) Pressed in or permanent creases on denim garments.
    - (ii) Protection from UV light
    - (iii) Protection from pathogens & viruses
  - (b) Suggest suitable printing technique with their recipe for printing of the following :
    - (i) Very fine design with 3D effect
    - (ii) Shiny prints for kids wear
    - (iii) Print with metallic look
  - (c) Suggest the various solvents to be used in dry cleaning process. Explain the steps involved in dry cleaning of garments.
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