

22579

23242

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) 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 any two advantages & limitations of Garment Processing.
- (b) State the objectives of Mud wash and Ion wash.
- (c) State the objectives of Garment Processing.
- (d) State the objectives of Acid wash on denim garments.
- (e) List the advantages & limitations of digital printing.
- (f) State the objects of Garment finishing.
- (g) State the principle and applications of RF dryer.

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

**12**

- (a) Describe with neat sketch the concept and process to produce metallic print on garment.



- (b) Explain the objectives, process parameters and applications of chalk wash and enzyme wash.
- (c) Explain with a neat sketch the different types of paddle dyeing machines.
- (d) Explain the importance of garment processing.

**3. Attempt any THREE of the following : 12**

- (a) Describe with neat sketch the process sequences of stone wash on denim garments.
- (b) Explain with sketches the working principle and applications of Tumble dryer.
- (c) Describe with sketches the concept and process to produce flock print on garments.
- (d) Explain the objectives, method of application and end use of wash & wear finish.

**4. Attempt any THREE of the following : 12**

- (a) Suggest a viable and economical garment processing plan for cotton shirting to produce a distressed appearance with shiny print and soft finish.
- (b) Explain with sketches the working principle and mechanism of Rotary Drum Dyeing machine.
- (c) Describe with sketches the concept and process to produce flock printing on garments.
- (d) Describe with neat sketches the process sequence of creating laser fading on denims.
- (e) State object of dry cleaning. List chemicals, solvents used in dry cleaning with their functions.

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

- (a) Suggest relevant finishing techniques, the chemicals used along with their method of application for creating the following :
  - (i) Avoiding bad odour & foul smell.
  - (ii) No need for ironing and hot pressing.
  - (iii) Protection from microbes.
- (b) Suggest relevant printing techniques with their concept for creating the following prints :
  - (i) Two tone effect or two shade effect
  - (ii) Shining prints for kids & women clothing
  - (iii) Thick & opaque print on garments.
- (c) Suggest the process of stain removal of the following on garments :
  - (i) Machine oil
  - (ii) Rust
  - (iii) Tea/Coffee
  - (iv) Fruit Juices
  - (v) Blood
  - (vi) Red wine

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

- (a) Suggest any two mechanical methods with process parameters for creating worn out and fading effect on Denim.
  - (b) Suggest any two garment dyeing machine with their process parameters which are economical in working and also fashion trendy.
  - (c) Explain the objects, importance, types of labels and symbols used in garment industry.
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