

22579

12425

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. Answer any FIVE of the following :

10

- (a) State objectives of garment processing.
- (b) List the name of chemicals used for acid wash for denims.
- (c) State the characteristics of stones used for denim washing.
- (d) Draw neat labelled sketch of Tumble Dryer.
- (e) List the name of ingredients used for flock printing.
- (f) Define the term :
 - (i) % Expression
 - (ii) % Exhaustion
- (g) List the name of dry-cleaning agents.



2. Attempt any THREE of the following : 12

- (a) Differentiate between garment stage and pre-garment stage processing.
- (b) Describe the stone washing treatment on denim garment.
- (c) State advantages of enzyme washing process on denim garments compared to stone wash treatment.
- (d) Explain principle of spray booth systems for denim washing.

3. Attempt any THREE of the following : 12

- (a) With a chart describe suitability of fibres for garment construction based on end uses.
- (b) Describe the concept of 'Laser Fading' in garment washing also elaborate its advantages.
- (c) Describe acid washing process for denim and write its advantages and limitations.
- (d) With a neat sketch explain working of rotary dyeing machine for garments.

4. Attempt any THREE of the following : 12

- (a) With a process flow chart explain working of garment industry.
- (b) Describe the concept of stoneless stone wash by taking reference of mud wash.
- (c) With a neat sketch explain working of hydro-extractor.
- (d) Explain the concept of pressing and fusing with an outline diagram of pressing and fusing machines.
- (e) Describe the concept of plastizol printing. State its advantages and applications.

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

- (a) Describe the process for producing Puff print on the given garments. State its applications.
- (b) State the object of antimicrobial finishing. Give one process formulation for antimicrobial finishing.
- (c) State objective of garment labelling. Write five types of garment labels and their symbols.

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

- (a) Describe the process for producing Khadi print. State its advantages and limitations.
 - (b) Describe the object of wash-n-wear finish, with reference of one suitable formulation. State advantages and limitations.
 - (c) State object of stain removal. Write any four types of stains and its stain removal treatment.
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