

17576

11718

3 Hours / 100 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) Assume suitable data, if necessary.
 - (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE of the following :

20

- (a) Describe the term 'finishing'. State its objects.
- (b) With neat sketch explain working of 7-bowl calendaring machine.
- (c) Explain the terms :
 - (i) % Expression
 - (ii) Wet pick up
- (d) Explain mechanism of resin finishing.
- (e) Give the process flow for denim finishing.
- (f) What is whiskering treatment ? State its advantages.
- (g) Explain the significance of stain removal and state the mechanism for oily stain removal.

2. Attempt any FOUR of the following :**16**

- (a) Give brief classification of finishing treatments.
- (b) What is sueding ? State its advantages.
- (c) Explain the types of softners, with the characteristics of each.
- (d) Differentiate between wash-n-wear and durable press finishing.
- (e) Give one method for producing antimicrobial finish on garments.
- (f) What is puckering effect on garments ? Explain the method for producing it.

3. Attempt any FOUR of the following :**16**

- (a) State the object of heat setting. Also state its advantages and disadvantages.
- (b) What is decatizing ? Explain its mechanism with neat sketch.
- (c) Explain objective of flame retardant finish. What is LOI ?
- (d) Give application method of cationic softners. Also state its advantages.
- (e) Explain the concept of Bio-polishing effect.
- (f) Describe the method for sand blasting on garments.

4. Attempt any FOUR of the following :**16**

- (a) Differentiate between padding and exhaust application.
- (b) Explain the method for producing wash-n wear resin finishing on cotton.
- (c) Explain the procedure for producing stone wash on denims.
- (d) What is acid wash ? State its advantages and limitations.

- (e) With neat sketch explain working of tumble dryer.
- (f) Explain the role of brushing mannequins for producing novel effects on garments with examples.

5. Attempt any FOUR of the following :

16

- (a) Explain the method for producing ion wash on garments.
- (b) Elaborate the enzyme wash method and state its advantages.
- (c) State the functions of (i) curing cabinet and (ii) pressing machine in garment washing unit.
- (d) Explain the role of spray booth systems in garment processing.
- (e) Enlist any four stains and their stain removing agent.
- (f) Explain the concept of nano finish in short.

6. Attempt any TWO of the following :

16

- (a) With neat sketch explain working of garment dyeing machine.
 - (b) With neat sketch explain working of fusing machine. Also state its role in garment construction purpose.
 - (c) What is UV protective finish ? State its advantages and end uses.
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