

17576

11819

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) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE :

20

- (a) Explain the sand blasting effect on denim garments.
- (b) Describe the working principle of padding mangle in Textile finishing.
- (c) Write the objectives and end uses of whickering treatments.
- (d) Explain the concept of bio-polishing.
- (e) Write the concept of spraying technique in garment finishing. Write its applications and advantages too.
- (f) Explain the methods for identification of stains on the textiles.
- (g) Explain the concept of Nano finish for Textiles.

2. Attempt any TWO :

16

- (a) What is the working principle of calendaring ? Enlist various types of calendaring machines and with suitable sketch describe the working of any one calendaring machine.
- (b) Write the process sequence chart for Denim finishing. Describe the stone wash and acid wash with their advantages and limitations.
- (c) Describe the working principle of tumble dryers in garment processing with suitable diagram. Write its advantages and limitations.

- 3. Attempt any TWO : 16**
- (a) Explain the importance of Stentor machine in Textile finishing. Write its various applications with standard procedures and precautions.
 - (b) (i) What is scroopy finish ? How it is achieved on silk fibres ?
(ii) Explain the concept of antimicrobial finishing for textiles.
 - (c) Explain the principle and working of drum dyeing machine in garment processing. Write its advantages and limitations also.
- 4. Attempt any TWO : 16**
- (a) Describe in brief the objective and working principle of sanforising and compacting machines.
 - (b) What is resin finishing ? Explain in detail the mechanism and principle of resin finishing for textiles. Explain the method of applications also.
 - (c) With suitable diagram, explain the principle and working of Hydroextractor in garment processing. Write its advantages and limitations also.
- 5. Attempt any TWO : 16**
- (a) Explain the classification of softeners with suitable examples. Write their properties also.
 - (b) Describe the concept of puckering effects and sand blasting effects on garments.
 - (c) Explain in detail the methods used for removing stains from the textile fabrics.
- 6. Attempt any TWO : 16**
- (a) What is waterproof and water repellent finish ? Explain the chemicals and their application method for these finishes. Write their end uses also.
 - (b) Describe the stoneless stone wash on the garments. Write their advantages and limitations also.
 - (c) What are UV protection finish and fragrance finish for textiles ? How they can be applied on the fabric ? Write their applications.
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