

17576

16117

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 :

20

- Explain the classification of finishes with suitable example.
- Describe the terms : % Exhaustion and % Expression in textile processing.
- Write the properties and applications of silicone softeners in textiles.
- Explain the concept of bio-polishing of garments.
- Explain the principle and working of Hydro-extractor.
- What is fragrance finish ? How it is applied on textiles.
- Explain the methods for identification of stains on textiles.

2. Attempt any TWO :

16

- With neat labelled diagram explain the principle and working of sanforising machine. Write its advantages and limitations.
- Write the process sequence for denim finishing and explain the process for stone wash effect on garments.
- Explain the principle and working of drum-dyeing machine in garment processing. Write its advantages and limitations.

- 3. Attempt any TWO : 16**
- (a) What are the objectives of calendaring ? Describe any one calendaring machine with suitable diagram. Write it's advantages and limitations.
 - (b) Explain the objectives, end uses & method of application of flame retardant finishes and water repellent finishes.
 - (c) Explain in detail the methods used for removing stains from textiles and write their advantages & limitations.
- 4. Attempt any TWO : 16**
- (a) With neat labelled diagram explain the principle and working of compacting machine. Write it's advantages and limitations.
 - (b) Explain the stoneless stone wash treatment for garment washing. Write the advantages and limitations of this process.
 - (c) Describe the working principles of pressing machines and fusing machines in garment processing. Write their importance.
- 5. Attempt any TWO : 16**
- (a) Explain the classification of softeners with suitable examples. Write their properties also.
 - (b) Describe the mud wash and chalk wash treatments on garments with their advantages and limitations.
 - (c) With suitable diagram explain the principle and working of tumble dryers in garment finishing. Write its advantages and limitations.
- 6. Attempt any TWO : 16**
- (a) What is resin finishing ? Explain in detail the mechanism and principle of resin finishing for textiles. Explain the method of application on textiles.
 - (b) Explain the concept of puckering effects and sand blasting effects on garments.
 - (c) Write the advantages of nano finishes over conventional finishes. Explain the method of application for nano finishes on textiles.
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