

17576

15116

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) Figures to the right indicate full marks.
(4) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE :

20

- Write down the concept, objective and application of whiskering treatment.
- Explain the terms percentage expression and wet pick-up with suitable examples.
- Write down the advantages and limitations of enzyme wash on denim garments.
- Differentiate between stone wash and acid wash for the garments.
- Explain the concept of UV protection finish and its advantages and limitations.
- Describe any one method for weighing of silk.
- Explain the principle and working of sueding process.

2. Attempt any TWO :

16

- Write down the objectives of calendaring and describe any one calendaring machine with neat labelled diagram. Write its working principle, advantages and limitations.
- Explain in detail the concept of Bio-polishing. Write down the process for denim garments. Write down the advantages and disadvantages.
- Describe various types of stains on textiles and appropriate stain removing agents and techniques for stain removing.

P.T.O.

3. Attempt any FOUR : 16

- (a) Explain the classification of finishes with suitable examples for textiles.
- (b) Explain the application procedure for resin finishing treatment on textiles.
- (c) Describe the procedure for wash and wear finish on textiles. Write its advantages and limitations.
- (d) Explain the concept of puckering effect and sand blasting effect.
- (e) Explain the working of electric steam pressing machine.
- (f) What is fragrance finish ? How is it applied on textiles ?

4. Attempt any FOUR : 16

- (a) Describe the working of sanforising machine for textile finishing.
- (b) Explain the importance of padding mangle in textile finishing for various applications.
- (c) Describe the ion wash treatments for garments and their advantages and limitations.
- (d) With the working principle, explain the working of tumble dryer machine.
- (e) Differentiate between fabric processing and garment processing.
- (f) Explain any two new developed speciality finishes for textiles.

5. Attempt any TWO : 16

- (a) What is the importance of softeners in textile finishing ? Explain in detail the classification of softeners with suitable examples. Write down their properties.
- (b) Write down the principle and working procedure of curing cabinets with their advantages and limitations.
- (c) Describe the working of garment drum dyeing machine with its advantages and limitations.

6. Attempt any FOUR :**16**

- (a) Explain the objectives and working principle of decatisizing machine in finishing.
 - (b) Write down the objectives and application method for scroopy finish on silk.
 - (c) Explain the mud wash and chalk wash treatments of garments with their advantages and limitations.
 - (d) With neat labelled diagram, explain the working of Hydroextractor machine.
 - (e) Explain the concept of Nano finish and new developments in it.
 - (f) Describe the procedure of antimicrobial finishing for cotton fabric.
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