



17576

21415

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.
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**MARKS**

1. Attempt **any five** : **20**
- a) Define finishing. Write down the objects of finishing treatments for textiles.
  - b) Explain the concept of exhaustion and pad application for chemical finishing.
  - c) Write down the properties and applications of silicone softness.
  - d) Explain the acid wash treatments for garment with its advantages and limitations.
  - e) What is puckering effect on garments ? How it is achieved ?
  - f) Describe the principle and working of fusing machine.
  - g) Write down the techniques for stain removing from textiles.
2. Attempt **any two** : **16**
- a) With neat labelled diagram explain the principle and working of decatizing machine in textile finishing. Write down its advantages and limitations.
  - b) Classify softeners with suitable examples and write down their properties.
  - c) Draw the diagram of drum dyeing machine and explain in detail the principle and working of drum dyeing machine. Write its advantages and limitations.
3. Attempt **any four** : **16**
- a) Classify finishes with suitable examples.
  - b) State objective and end-uses of flame retardant finish for textiles.
  - c) Write down the process of water repellent finishing with suitable example.

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- d) Explain the stone wash treatment for garment washing with its advantages and limitations.
- e) Describe the principle and working of hydro extractor machine.
- f) What is UV protection finish ? How it is applied on textiles ?

4. Attempt **any four** :

16

- a) Explain the principle and working of Sanforising machine.
- b) Explain the mechanism of resin finishing with suitable example.
- c) Explain :
  - i) Wash and wear and
  - ii) Durable press finish for textiles.
- d) Enlist the names of enzymes and their applications in garment processing.
- e) Write advantages and disadvantages of garment processing.
- f) Explain the principle and working of pressing machine in garment processing.

5. Attempt **any two** :

16

- a) State objectives of calendering. Describe any one calendering machine with suitable diagram. Write its advantages and limitations.
- b) Explain in detail the concept of Bio-polishing and step-by-step procedure of biopolishing for cotton fabric. Write down its advantages and limitations.
- c) Explain in detail the concept of Nano-finish with suitable example. Write its advantages and limitations. Explain its application methods for textiles.

6. Attempt **any four** :

16

- a) What is scroopy finish ? How it is applied for silk ?
  - b) Explain the mud wash treatments and chalk wash treatments with their advantages and limitations.
  - c) Explain the procedure for sand blasting effect on garments.
  - d) Explain the principle and working of tumble dryer in garment processing.
  - e) Explain the methods for identification of stains on textiles.
  - f) What is fragrance finish ? How it is applied on textiles ? Write its advantages.
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