

# 314351

**12526**

**3 Hours / 70 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) Figures to the right indicate full marks.  
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

- 1. Attempt any FIVE of the following :** **10**
- a) State importance of finishing. (Any two)
  - b) Enlist the process parameters for sanforiser finishing machine.
  - c) Classify softners.
  - d) Name any two mosquito repellent finishing chemicals.
  - e) State the principle of spray booth system.
  - f) Name any two types of fastness test.
  - g) State the need of fastness evaluation in textiles.
- 2. Attempt any THREE of the following :** **12**
- a) Differentiate between mechanical and chemical finishing.
  - b) Write a short note on the mechanism of resin finish.
  - c) Enlist advantages and limitations of bin-polishing finish.
  - d) Explain working procedure of spray booth system with illustrative diagram.

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- 3. Attempt any THREE of the following : 12**
- a) Discuss the concept of pre-cure and post cure method.
  - b) Describe the recipe and application process for fragrance finish.
  - c) Compare garment dyeing and washing machine with respect to principles, procedure and end uses.
  - d) Explain the working principle of whiskering and tumble dryer.
- 4. Attempt any THREE of the following : 12**
- a) Outline the working principle of calendering machine.
  - b) Explain importance and application process of soil release finish.
  - c) Describe recipe and process parameters for chalk wash and ion wash.
  - d) Explain recipe and application method for Anti-microbial finishing.
  - e) Explain stepwise application method of dry cleaning.
- 5. Attempt any TWO of the following : 12**
- a) Enlist the process parameter of stenter and explain it's working Principle.
  - b) Explain percentage expression and weight pickup in chemical finishing with suitable machine example.
  - c) Describe any three wash effects on denim.
- 6. Attempt any TWO of the following : 12**
- a) Compare waterproof and water repellent finishes with application process and it's uses.
  - b) Explain indetail procedure for stone wash, enzyme wash and acid wash for denim.
  - c) i) Enlist different types of fabric stains.  
ii) Explain any two methods for removal of stain.
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