

22578

22232

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) Assume suitable data, if necessary.

Marks

1. Attempt any FIVE of the following :

10

- (a) State the importance of process control.
- (b) Enlist process control parameters in bleaching.
- (c) State the effect of temperature on dye uptake.
- (d) Enlist machines used for dyeing of cotton.
- (e) State the effect of viscosity on printing process.
- (f) List process control parameters for ager machine.
- (g) State effect of temperature on calendering process.

2. Attempt any THREE of the following :

12

- (a) Describe the effect of control and uncontrol parameter in processing.
- (b) Describe process control parameter for pad chain mercerisation machine.
- (c) Describe problem and remedies in polyester dyeing.
- (d) Describe process control parameter for rotary screen printing machine.



- 3. Attempt any THREE of the following : 12**
- (a) Explain ten point system of fabric inspection.
 - (b) Select process control parameter for enzyme desizing of cotton.
 - (c) Choose process control parameter for dyeing of cotton in CDR machine.
 - (d) Prepare print paste formulation for printing of cotton with reactive dye. State the role of each ingredient used in paste.
- 4. Attempt any THREE of the following : 12**
- (a) Use absorbency method to evaluate efficiency of scouring process.
 - (b) Describe process control parameter for winch machine.
 - (c) Describe process control parameter for screen printing.
 - (d) Describe process control parameter for stenter machine.
 - (e) Select suitable calender machine and process control parameters to increase lusture of cotton.
- 5. Attempt any TWO of the following : 12**
- (a) Select process control parameter for continuous dyeing of cotton.
 - (b) Explain process control parameter for rapid ager machine.
 - (c) Explain process control parameter for crease recovery finish on stenter machine.
- 6. Attempt any TWO of the following : 12**
- (a) Select process control parameter for dyeing of wool in batch dyeing machine.
 - (b) Prepare print paste formulation for discharge printing of cotton with justification.
 - (c) Explain process control parameter for soil release finish.
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