

22578

24225

3 Hours / 70 Marks

Seat No.

--	--	--	--	--	--	--	--

- 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.
 - (6) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE :

10

- (a) Enlist any four functions of quality assurance department.
- (b) Recite any four check points during the desizing of cotton fabrics.
- (c) Mention any four advantages of implementing Right first Time concept.
- (d) Depict the importance of Lab to bulk recipe formulation.
- (e) State the effect blade size on the quality of print.
- (f) Enlist the different types of agers used in the fixation of prints.
- (g) Mention the four most important process control parameters in calendering process.



2. Attempt any THREE :**12**

- (a) Elaborate the process control parameters in the dyeing of cotton on CDR using reactive dyes.
- (b) Discuss the importance of process control parameters on washer in the washing of reactive printed fabrics.
- (c) Identify the importance of process control parameters affecting the print quality on flat bed printing machine for 100% polyester fabric.
- (d) Elaborate the process control parameters on aesthetic and performance properties of 100% cotton finished with water repellent finish.

3. Attempt any THREE :**12**

- (a) Elaborate the six point system of fabric inspection.
- (b) Describe with flow chart the procedure to access the depth of dyeing of 100% polyester fabrics using disperse dyes.
- (c) Justify the importance of viscosity of print paste in printing of textile with one suitable example.
- (d) Elaborate the process control parameters of sanforizers.

4. Attempt any THREE :**12**

- (a) Discuss the process control parameters for enzymatic desizing of 100% cotton.
- (b) Elaborate the process control parameters on package dyeing machine using rot dyes on 100% cotton.
- (c) Elaborate the parameters affecting the print quality of 100% viscose fabric using pigments with due justification.
- (d) Elaborate the process control parameters for soft finishing of 100% cotton poplin on Stentor machine.
- (e) Summarize the procedure to evaluate the effect of percentage expression on the add-on and performance of P/C poplin with 110 gsm.

5. Attempt any TWO :**12**

- (a) Demonstrate the effect of various process control parameters on the brushing of 100% yarn dyed cotton fabric.
- (b) Suggest the rectification for dyeing defects on dyeing of 100% polyester fabrics on jet dyeing machine with relevant process control parameters.
- (c) Elaborate the rectification for printing defects on printing of 100% cotton fabric on rotary printing machine using reactive dyes for resist style of printing.

6. Attempt any TWO :**12**

- (a) Elaborate the process control parameters for mercerising 100% voile cotton on a padless chainless mercerising machine.
 - (b) Justify the parameters affecting the dyeing quality of 100% cotton using vat dyes on jigger dyeing machine.
 - (c) Compute the procedure to assess the effect of curing temperature of resin finishing of 100% plain woven poplin cotton fabric on the performance of finished fabric.
-

