

314359

12526

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) 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) List the grey fabric inspection systems.
 - b) State the reason for after-treatment in direct dyeing.
 - c) Give the Classification of dyes.
 - d) Classify reactive dye.
 - e) Identify a 2-suitable fibers for dyeing with reactive dye.
 - f) List the methods of printing.
 - g) Classify textile finishes.

P.T.O.

- 2. Attempt any THREE of the following : 12**
- a) State the concept of heat setting and explain its effects on fiber properties w.r.t. structural changes, dimensional stability, stiffness, crease recovery, and dyeability.
 - b) Describe the process of dyeing the cellulosic material with hot brand reactive dye.
 - c) Illustrate the detailed procedure of dyeing wool fiber with acid dye.
 - d) List the names of 4-ingredients selectively used in preparation of printing paste.
- 3. Attempt any THREE of the following : 12**
- a) Explain the process of desizing using enzymatic method.
 - b) Classify the colouring matter.
 - c) Describe in detail the concept of direct, discharge, and resist style of printing with diagrammatic representation.
 - d) Explain the mechanism of creasing.
- 4. Attempt any THREE of the following : 12**
- a) Explain the process of desizing using acid desizing method.
 - b) Describe every steps in cotton vat dyeing vatting, dyeing recipe, dyeing procedure, oxidation, and after treatment.
 - c) Apply disperse dye on polyester Fiber using carrier method with a detailed procedure.
 - d) Explain the procedure of direct style of printing using direct dye on cotton fabric.
 - e) Give the classification of softeners.

- 5. Attempt any TWO of the following :** **12**
- a) Demonstrate the application of a gas singeing machine in singeing cotton fabric with the help of a neat sketch.
 - b) Describe with neat sketch the construction and working table screen printing machine.
 - c) Describe the step by step process of application of resin finish on cotton fabric.
- 6. Attempt any TWO of the following :** **12**
- a) Explain the step by step operational procedure of scouring cotton fabric using pressure kier.
 - b) Illustrate the step-by-step process of dyeing cotton fiber using direct dye.
 - c) Explain the process of dyeing polyester fiber using disperse dye with HTHP method.
-