

22470

24225

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 objective of shearing and cropping process.
- (b) List the methods of Desizing.
- (c) Define the term 'pigment'.
- (d) Define the term '% expression'.
- (e) Draw the line diagram of HTHP dyeing machine.
- (f) State objective of printing.
- (g) List the name of fibres used for making flock.

2. Attempt any THREE of the following :

12

- (a) State the objective of singeing process. Explain gas singeing method.
- (b) Give brief classification of colouring matter used in Textiles.
- (c) Explain the role of carrier in polyester dyeing.
- (d) List the printing ingredients and state their functions.



- 3. Attempt any THREE of the following : 12**
- (a) Explain hydrogen peroxide bleaching. State its advantages.
 - (b) Describe dyeing procedure of cotton with reactive dyes. (hot brand)
 - (c) Explain the concept of solid dyeing and reverse dyeing.
 - (d) Describe the procedure for producing flock printing.
- 4. Attempt any THREE of the following : 12**
- (a) Describe sodium hypochlorite bleaching process on cotton fabric.
 - (b) Describe the dyeing procedure for Wool with Acid dyes.
 - (c) Differentiate between Dyeing and Printing.
 - (d) Explain Tie and Dye method of printing.
 - (e) Describe the process for producing Brasso Print with recipe & process parameters.
- 5. Attempt any TWO of the following : 12**
- (a) 'Hydrogen peroxide is a universal bleaching Agent.' Justify the statement.
 - (b) Explain one bath method for dyeing of p/c blended fabric.
 - (c) Suggest methods to produce Florescent puff and Metallic prints on garments.
- 6. Attempt any TWO of the following : 12**
- (a) State the objective of Mercerisation. Explain the process for mercerisation of cotton.
 - (b) Suggest a machine for batchwise dyeing of cotton. Also explain the process of dyeing.
 - (c) Suggest the method to produce white and colour resist print on given cotton fabric.
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