

22470

11920

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.

Marks

1. Attempt any FIVE of the following :

10

- (a) List the faults present in grey fabric.
- (b) State object of shearing and cropping process.
- (c) Define the term 'Exhaustion'.
- (d) Draw the labelled sketch of 3-bowl padding mangle.
- (e) List the dyeing methods used for polyester.
- (f) State objectives of printing.
- (g) List the names of Novel printing methods.

2. Attempt any THREE of the following :

12

- (a) Explain working principle of gas singeing machine with neat sketch.
- (b) State the object of mercerisation process. Also state its advantages.
- (c) Give brief classification of colouring matters.
- (d) With outline sketch explain working of Jigger Dyeing Machine.

- 3. Attempt any THREE of the following : 12**
- (a) Explain method for Enzyme desizing of cotton with its merits and demerits.
 - (b) State the objects of scouring process. Also mention changes brought in fabric after scouring.
 - (c) Describe the procedure for dyeing of cotton fabric with vat dye.
 - (d) Explain the mechanism of dyeing of wool with acid dyes.
- 4. Attempt any THREE of the following : 12**
- (a) Explain Hydrogen peroxide bleaching method of cotton.
 - (b) Explain polyester dyeing process by HTHP method.
 - (c) Explain direct style of printing on cotton by using reactive dye with typical print paste formulation.
 - (d) Explain the concept of resist style of printing with one example.
 - (e) Select the relevant process for producing foil print on the fabric.
- 5. Attempt any TWO of the following : 12**
- (a) Select the relevant process parameters dyeing of polyester/cotton blended fabric by one bath method.
 - (b) "Reactive dyes are suitable for discharge printing." Justify the statement.
 - (c) Suggest relevant printing process to produce flock prints on given garment.
- 6. Attempt any TWO of the following : 12**
- (a) Describe the method of reverse dyeing for blended fabrics.
 - (b) Suggest the relevant method to produce white discharge on direct dyed ground.
 - (c) Explain the process of producing high density prints on given garment.
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