

17565

11819

3 Hours / 100 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.

Marks

1. Attempt any FIVE :

20

- (a) What is PET ? Explain the importance of preparation of polyester fabric for printing.
- (b) List out various thickeners used in the printing of polyester fabric. Write essential properties of the thickener.
- (c) Justify purpose of blending. Name the dye systems used for printing of P/C blended fabric.
- (d) Define pigments. How are they fixed on the textile material ?
- (e) Describe the selection criteria of dyes for the printing of Acrylic fabrics.
- (f) Describe various print fixation methods for polyester fabric and write its significance.
- (g) Explain the mechanism of print fixation for polyester fabric.

2. Attempt any FOUR :

16

- (a) Explain with recipe, printing of polyester by direct style.
- (b) Explain the concept of transfer printing.

[1 of 4]

P.T.O.

- (c) Describe the selection criteria of paper and ink for transfer printing of textiles.
- (d) Describe the process of selection of disperse dyes for transfer printing.
- (e) What is the principle involved in “Brasso” style of printing ? Write the recipe and procedure for this style of printing.
- (f) Describe printing of polyester/wool blended fabric.

3. Attempt any FOUR :**16**

- (a) Explain ‘discharge printing’. What are the fundamental requirements of discharge printing ?
- (b) What are the advantages and limitations of transfer printing ?
- (c) Give the classification of inkjet printing and write its concept.
- (d) What are natural dyes ? Mention the faults in printing with natural dyes.
- (e) Write the recipe and procedure for printing of polyester by discharge style.
- (f) How to prepare Nylon for printing ? List out the different class of dyes used for nylon printing.

4. Attempt any FOUR :**16**

- (a) Write the recipe and procedure for nylon printing using acid dyes by direct style.
- (b) Explain printing of polyester fabric by resist style.
- (c) With recipe explain printing of polyester/cotton blended fabric using disperse/reactive system.
- (d) Describe the various fixation methods and after treatments used for printed acrylic fabrics.
- (e) Explain method of single dye application on blended fabric.
- (f) Describe the direct style of printing on nylon using metal complex dyes with print paste recipe.

5. Attempt any FOUR :**16**

- (a) Describe the mechanism of transfer printing.
- (b) Describe any one method of print fixation for polyester fabric.
- (c) Explain the method of printing nylon by discharge style.
- (d) With diagram explain the working of any one machinery used for transfer printing.
- (e) Describe the discharge style of printing on acrylic fabric.
- (f) Describe the selection criteria of dyes for printing of polyester.

6. Attempt any FOUR :**16**

- (a) Mention various after treatments carried on printed polyester fabric and write its significance.
 - (b) Write the recipe and procedure for printing of P/C blends with pigment.
 - (c) Name different machines used for paper printing. Briefly explain working of any one machine used for printing paper for transfer printing.
 - (d) Describe the process of printing of textiles using natural dyes.
 - (e) What are the advantages & disadvantages of printing with natural dyes ?
 - (f) Comment on fastners of natural dyes when printed on textiles.
-

