

**17565****14115**

3 Hours/100 Marks

Seat No.

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

Instructions: (1) **All** questions are **compulsory**.(2) Answer **each** next main question on a **new** page.(3) Figures to the **right** indicate **full** marks.(4) *Mobile Phone, Pager and any other Electronic Communication devices are **not permissible** in Examination Hall.*

MARKS1. Attempt **any ten** :**20**

- List thickeners used in the printing of polyester.
- Write printing recipe for the printing of p/c blended fabric with pigments.
- Classify Ink-jet printing techniques.
- Write advantages of transfer printing.
- List discharging chemicals used in polyester printing.
- Name the natural dyes used for the printing of textiles.
- Write printing recipe for the printing of Nylon with disperse dyes.
- What are the limitations of Transfer printing.
- Give the significance of various fixation methods for polyester fabric.
- Write printing recipe for the printing of Nylon with acid dyes.
- What are the fasteners properties of fabric, printed with natural dyes.
- What methods are used for improving the fastness of polyester printed fabric ?
- What are the various after treatments used after the printing of Nylon ?
- What are the faults in printing with natural dyes ?

2. Attempt **any four** :**16**

- Describe the process of discharge printing on polyester fabric.
- Describe the printing of polyester-wool blended fabric.
- Explain print fixation methods used for polyester printing.
- Describe the selection criteria of dyes for the printing of acrylic fabrics.
- Explain the different types of after treatments given to polyester after the printing process.
- Describe the selection criteria of binders used for pigment printing of polyester cotton blended fabrics.

P.T.O.

3. Attempt **any four** :

- a) Explain printing of polyester by resist style.
- b) Write printing recipe of polyester acrylic blended fabric and explain the process.
- c) Describe the selection criteria of dyes for printing of polyester.
- d) Describe the printing of polyester and cotton blended fabric with disperse/ reactive system.
- e) Explain the various fixation methods and after treatments used for printed acrylic fabric.
- f) Describe the “Brasso” style of printing of blended fabrics.

4. Attempt **any four** :

16

- a) Explain discharging and resisting agents used in polyester printing.
- b) Explain the method of single dye application on blended fabric.
- c) Describe the mechanism of print fixation in polyester printing.
- d) Describe the discharge style of printing on acrylic fabric.
- e) Describe the Direct style of printing of nylon with metal complex dyes.
- f) Explain the different machineries used for transfer printing of textiles.

5. Attempt **any four** :

16

- a) Explain the mechanism of transfer printing.
- b) Describe the concept of Ink-jet printing for the printing of textiles.
- c) Describe the selection criteria of paper and ink for transfer printing of textiles.
- d) Explain the method of printing of Nylon by Discharge Style.
- e) Describe the role of various thickness that are used for printing of polyester.
- f) Explain faults, their prevention and correction during the printing of textiles using Natural dyes.

6. Attempt **any four** :

16

- a) Describe the process of selection of Disperse dyes for the transfer printing.
 - b) Explain the various fixation methods of printed Nylon fabric.
 - c) Write advantages and disadvantages of printing with Natural dyes.
 - d) What are the functions of the chemicals and auxiliaries used in printing of polyester fabric.
 - e) Describe the process of printing of textiles using natural dyes.
 - f) What are the machineries used for printing paper for transfer printing ? Explain the machineries.
-