

17468

21819

3 Hours / 100 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 answer 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:** **20**
 - a) What is the importance of pretreatments for fabric printing?
 - b) Give the classification of thickeners based on their origin with suitable example.
 - c) Explain the chemistry of thickeners.
 - d) What are the advantages and limitations of thickener for printing.
 - e) Explain the selection criteria of thickeners for printing using various dyes.
 - f) State the print paste ingredients and explain their specific function.
 - g) Explain in general the classification of methods of printing.

- 2. Attempt any FOUR of the following:** **16**
 - a) Explain batik printing. State the types of dyes used for this printing.
 - b) Explain block printing with its merits and demerits.
 - c) Give the principles of discharge and resist style of printing.
 - d) Explain table printing w.r.t its technical features and faults.
 - e) Give the technical features and types of squeezes used for flat bed printing.
 - f) Give the detailed procedure of screen preparation for flat bed printing machine.

P.T.O.

3. Attempt any FOUR of the following: 16

- a) Mention the advantages and disadvantages of flat bed printing machine.
- b) What are the methods of print fixation ?
- c) Give the mechanism of print fixation during steaming.
- d) With a neat diagram explain the working of star ager.
- e) What are pigments? Explain the principle of pigment printing.
- f) Explain the importance of preparation of wool and silk fabrics for printing.

4. Attempt any FOUR of the following: 16

- a) With a typical print paste formulation explain direct style of printing wool fabric using acid dyes.
- b) With a typical recipe explain the special effect produced with Khadi printing.
- c) Write down the print paste formulations and procedure for pigment printing.
- d) How is silk fabric printed with basic dye by direct style? Write its recipe and procedure.
- e) Write down the technical features of rotary screen printing machine.
- f) Explain the importance of binders used in pigment printing.

5. Attempt any FOUR of the following: 16

- a) What is magic printing? Write its principle.
- b) Write down print paste formulation for direct style of printing using azoic colours.
- c) Write the recipe and procedure of printing cotton using direct dyes by discharge style.
- d) Give the advantages and limitations of rotary screen printing.
- e) Explain the principle and write down the recipe and procedure for crimp style of printing.
- f) Enlist and explain the distinct steps involved in the pigment printing of cotton with proper precautions.

6. Attempt any FOUR of the following: 16

- a) Write down any two advantages and limitations of different squeezes used in rotary screen printing machine.
 - b) Write down the recipe and procedure for printing of cotton using reactive dyes by direct styles.
 - c) Explain the screen exposing procedure in case of rotary printing machine.
 - d) Write down the recipe and procedure for printing cotton using reactive dyes by discharge style
 - e) With a neat diagram explain the working principle of flat bed screen printing machine.
 - f) Describe the resist style of printing cotton with reactive dyes for obtaining white resist.
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