

22459

22223

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) Assume suitable data, if necessary.
(6) 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 the objects of printing.
 - b) State the stages involved in printing.
 - c) Classify methods and styles of printing.
 - d) State the faults in table printing method.
 - e) List out the classes of dyes used for printing of silk.
 - f) Define discharge printing.
 - g) List the names of types of squeezes used in rotary printing.

P.T.O.

- 2. Attempt any TWO of the following:** **12**
- a) Explain the principle involved in discharge style of printing.
 - b) Differentiate between dyeing and printing.
 - c) Select the relevant print paste ingredients for printing of cotton using direct dye with justification.
 - d) State the advantages and disadvantages of pigment printing.
- 3. Attempt any THREE of the following:** **12**
- a) Select the relevant process for producing resist printing on vat dyed ground.
 - b) Choose the process parameters for fixation of prints on rapid ager.
 - c) Distinguish between working of loop ager and flash ager.
 - d) Select the relevant ingredients and process for pigment printing on cotton.
- 4. Attempt any THREE of the following:** **12**
- a) Justify the statement - "Rotary printing is preferred than other printing machines".
 - b) State the advantages and limitations of flat-bed printing.
 - c) Summarize the method for producing white discharge effect on direct dyed fabric.
 - d) Justify the statement - "azoic colours are ingrain colours".
 - e) Choose the relevant preparation process sequence for wool fabric before printing.
- 5. Attempt any TWO of the following:** **12**
- a) Describe with neat diagram, working of rotary printing machine.
 - b) Choose the relevant paste formulation and method for producing white discharge and colour discharge on reactive dyed fabric.
 - c) With a typical print paste formulation describe printing of cotton fabric using vat dyes by direct style.

6. Attempt any TWO of the following:**12**

- a) Describe the procedure to develop prints using basic dyes by direct style of printing.
 - b) Justify :
 - i) Printing is a localised dyeing.
 - ii) Batik printing is resist style of printing.
 - c) Describe :
 - i) Screen preparation for rotary printing.
 - ii) Effect of post print processes.
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