

313342

12425

03 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) Describe object of printing.
 - b) Enlist the various methods of printing.
 - c) List the name of reducing agents, used for discharge printing.
 - d) Name various print fixation methods.
 - e) State the role of binder in pigment printing.
 - f) Write the process sequence for preheatment of wool fabric.
 - g) List the print paste ingredients for printing of silk with basic dye.
2. **Attempt any THREE of the following :** **12**
- a) Differentiate between Dyeing and printing on atleast four points.
 - b) List the printing paste ingredients and state their role in printing.
 - c) Describe the process of Batik printing.
 - d) With neat labelled sketch explain working of table screen printing.

P.T.O.

- 3. Attempt any THREE of the following :** **12**
- a) Give brief classification of printing thickeners based on sources.
 - b) Explain the steps involved in discharge style of printing.
 - c) Describe the process of 'Tie and Dye' printing.
 - d) Describe advantages and limitations of flat bed screen printing machine.
- 4. Attempt any THREE of the following :** **12**
- a) Explain the squeeze mechanism in Rotary screen printing with a neat sketch.
 - b) Explain the process for producing white discharge effect on direct dyed fabric.
 - c) Give classification of print fixation methods and elaborate the methods.
 - d) Describe the process to produce 'Khadi print' on give fabric.
 - e) List the print paste ingredients for printing of silk with Acid dyes and state their functions.
- 5. Attempt any TWO of the following :** **12**
- a) Explain the selection criteria of Dyes, based on their application area in Textile Printing.
 - b) Explain the term dischargability rating for selection of dyes for discharge printing with one example.
 - c) Describe the process for Resist style of printing with reactive dyes.
- 6. Attempt any TWO of the following :** **12**
- a) Explain the process of screen preparation for table screen printing.
 - b) Write the print paste recipe for pigment printing, also explain the mechanism of pigment printing.
 - c) Describe the steps involved for printing of silk with metal complex dyes.
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