

17468

21314

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) Figures to the right indicate full marks.
(4) Assume suitable data, if necessary.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Answer any **FIVE** of the following: **20**
- a) Explain importance of pretreatments for fabric printing.
 - b) Classify methods of printing.
 - c) Name two faults observable in table printing. State two causes and remedial measures for any one fault.
 - d) Describe mechanism of print fixation during steaming.
 - e) Define and give two example each of :
 - i) direct dye
 - ii) reactive dye
 - f) State characteristics of magic style of printing.
 - g) Describe preparation of wool fabric for printing.

P.T.O.

2. Answer any TWO of the following: 16

- a) Explain principle of :
 - i) direct style of printing
 - ii) discharge style of printing
- b) Describe any four technical features of table printing.
- c) Write print paste formulation for discharge style of printing using direct dyes. State functions of ingredients used.

3. Answer any TWO of the following: 16

- a) i) Define : 2
 - 1) dyes
 - 2) thickeners
- ii) Explain selection criteria of thickeners for various dyes. 6
- b) i) Describe screen preparation for flat bed printing machine.
- ii) Explain flat bed printing method.
- c) i) Define : 2
 - 1) basic dye
 - 2) metal complex dye
- ii) State characteristics of silk. 2
- iii) Write print paste formulation for direct style of printing on silk fabric using acid dyes. 4

- 4. Answer any TWO of the following:** **16**
- a) Describe method of stencil printing. How are stencils made?
 - b) i) Describe any one type of steaming machinery.
ii) Explain its working.
 - c) i) Write print paste formulation for pigment printing on cotton.
ii) Explain the process sequence.
- 5. Answer any TWO of the following:** **16**
- a) i) Describe preparation of cotton fabric for printing.
ii) Name print paste ingredients.
 - b) i) Explain principle of rotary printing.
ii) Name types of squeezes used in rotary printing.
Explain their use.
 - c) i) Using reactive dyes, give print paste formulation for discharge style of printing.
ii) What is resist style of printing?
- 6. Answer any FOUR of the following:** **16**
- a) Describe chemistry of thickeners.
 - b) Differentiate between flat bed printing and table printing.
 - c) State advantages and limitation of rotary screen printing.
 - d) Write typical formulation for direct style of printing, with azoic dyes.
 - e) Describe Khadi printing.
 - f) Explain principle of pigment printing.
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