

17468

15116

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.

Marks

- 1. Attempt any FIVE of the following :** **20**
- a) Explain the objectives of pretreatments from printing joint of view.
 - b) Explain principle of ‘resist-style’ of printing.
 - c) Describe ‘tie and dye’ method of printing.
 - d) Name types of squeezes used in flat-bed printing.
Explain any one.
 - e) Describe method of screen exposing for rotary screen printing machine.
 - f) Define and give two examples, each of :
 - (i) reactive dyes
 - (ii) azo dyes
 - g) Write a note on the preparation of woollen fabric for printing.

P.T.O.

2. Attempt any TWO of the following :**16**

- a) Describe classification of :
 - (i) methods of printing
 - (ii) styles of printing
- b) Explain any four faults, observable in table printing.
Suggest remedial measures for them.
- c) (i) What is meant by : 'special print effects' ? Explain.
(ii) Describe khadi printing.

3. Attempt any TWO of the following :**16**

- a) Explain the selection criteria of thickeners for various dyes used in printing.
- b) (i) Explain necessity of print fixation.
(ii) Describe mechanism of print fixation, during steaming.
- c) Explain print-paste formulation for pigment printing. Write down the printing procedure.

4. Attempt any TWO of the following :**16**

- a) Enlist print - paste ingredients. Explain their function.
- b) Describe working of flat bed printing machine with a neat diagram.
- c) Describe application of direct dye and reactive dyes on cotton by direct style of printing.

5. Attempt any TWO of the following :**16**

- a) (i) Describe working principle of rotary screen printing machine with neat diagram.
- (ii) Explain advantages and disadvantages of rotary screen printing.
- b) Explain print-paste formulation for resist style of printing with reactive dyes on cotton. Write the procedure.
- c) (i) Define 'acid-dyes'. Give two examples.
- (ii) Describe printing of silk by using acid dyes by direct style method.

6. Attempt any FOUR of the following :**16**

- a) Enlist the essential properties of thickeners.
 - b) Describe development of batik effect on cotton.
 - c) Compare : rotary screen printing and flat bed screen printing.
 - d) Compare machines : star ager and rapid ager.
 - e) Compare : dyes and pigments.
 - f) Explain principle of 'pigment printing' in detail.
-