

17468

11920

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 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: **20****
- a) Explain the importance of pretreatments for fabric printing.
- b) What are thickeners? Explain its function in printing.
- c) Give general classification of printing methods and styles of printing.
- d) What is “Batik printing”?
- e) State methods of print fixation on cotton explain mechanism of print fixation during steaming.
- f) Write a print paste formulation for direct style of printing with direct dye.
- g) What is the principle involved in pigment printing? Explain.

P.T.O.

- 2. Attempt any TWO of the following:** **16**
- a) State the ingredients of print paste and explain their specific function of each.
 - b) Give the classification of thickeners. Also state advantages and limitations of thickeners in general. (Any four each).
 - c) Explain the principle involved in discharge and resist styles of printing. Give one example each.
- 3. Attempt any TWO of the following:** **16**
- a) Explain in details - technical features of table printing. Enlist two faults and its remedies in table printing.
 - b) Describe the procedure of screen preparations for flat bed printing machine.
 - c) Describe flat-bed screen printing w.r.t. its technical features and write on types of squeezes used.
- 4. Attempt any TWO of the following:** **16**
- a) With a neat sketch explain the working of star ager and rapid ager.
 - b) What are reactive dyes? Write the print paste formulation for discharge style of printing with reactive dye. Also state the function of each chemical used in the print paste.
 - c) Describe :
 - (i) Khadi printing with recipe
 - (ii) Magic and crimp styles of printing.

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

- a) What are pigments? State the ingredients of print paste with pigment colours. Explain the function of binder in pigment printing.
- b) With a neat labelled diagram explain rotary screen printing for its technical features and write advantages and limitations. (Two each).
- c) What are the impurities present in raw wool. Explain a method of preparation of wool fabric for printing. Also explain printing of wool fabric using metal complex dyes.

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

- a) Explain the process of screen exposing for rotary printing machine.
 - b) With a typical print paste formulation describe method of printing cotton fabric using azoic colours.
 - c) (i) Explain printing of silk fabric using basic dyes.
(ii) Give the process sequence of pigment printing.
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