

313342

12526

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 answer with neat sketches wherever necessary.
- (4) Figures to the right indicate full marks.
- (5) Assume suitable data, if necessary.
- (6) Use of Non-programmable Electronic Pocket Calculator is permissible.
- (7) 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 stages in printing with a process flow chart.
- c) List the methods of printing for Textiles.
- d) List the material required for preparation of screen for table printing.
- e) List the print paste ingredients used for pigment printing.
- f) State the object of steaming stage in printing process.
- g) List the names of dyes suitable for printing of wool and silk fabrics.

P.T.O.

- 2. Attempt any THREE of the following: 12**
- a) List the print paste ingredients and state their functions.
 - b) Give brief classification of thickness used in printing with suitable examples.
 - c) Describe the process of Batik printing.
 - d) Explain dye selection criteria for discharge printing on natural fabrics.
- 3. Attempt any THREE of the following: 12**
- a) Differentiate between Dyeing and printing process.
 - b) Draw and explain the labelled outline sketch of flat bed printing machine.
 - c) Explain one type of square system in rotary printing machine.
 - d) Describe the fixation mechanism used in curing process for cotton printed fabrics.
- 4. Attempt any THREE of the following: 12**
- a) Explain any two faults arises in table screen printing and give their solutions.
 - b) Describe the process for producing print effects by direct style using direct dyes.
 - c) Suggest the method to produce resist style effect reactive dyed cotton fabric.
 - d) Describe the method to produce Khadi printing effect on cotton fabric with suitable recipee.
 - e) Describe the method of printing with acid dye on silk fabric.

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

- a) Describe the after treatments required for :-
 - i) Reactive printed fabric and
 - ii) Direct printed fabric.
- b) Describe the working of Rotary screen printing machine with a neat labelled sketch.
- c) 'Resist printing is possible for dyes having multiple stages in applications'. Justify the statement with suitable example.

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

- a) Describe the method for screen preparation in flat bed printing machine and also explain the advantages and limitations of this machine.
 - b) Explain the role of binder in pigment printing and write advantages and limitations of pigments.
 - c) Describe the process for printing of wool with Basic Dyes.
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