

313352

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) Use of Non-programmable Electronic Pocket Calculator is permissible.
- (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) Enlist desizing methods for cotton fabric.
- b) Name the types of singeing m/cs.
- c) Define the terms – % expression and % exhaustion.
- d) Name any two water soluble and water insoluble dyes each.
- e) Suggest one day each for dyeing of silk and polyester fabric.
- f) Name any two printing methods practised in ancient India.
- g) Give two objectives for special printing methods.

P.T.O.

- 2. Attempt any THREE of the following: 12**
- a) Explain 'Kier boiling'.
 - b) Explain the blend fabric dyeing techniques.
 - c) Enlist printing paste ingredients with their respective use.
 - d) Explain the procedure for high density printing on T-shirt.
- 3. Attempt any THREE of the following: 12**
- a) Compare acid desizing with enzyme desizing.
 - b) Give classification of colouring matter with suitable example of each class.
 - c) Explain objectives of printing.
 - d) Compare fixation step for pigment printing and reactive printing on cotton fabric.
- 4. Attempt any THREE of the following: 12**
- a) Describe construction and working of jigger machine.
 - b) Compare polyester dyeing with cotton dyeing.
 - c) Suggest print paste formulation for white and colour resist style of printing on cotton fabric using reactive dye.
 - d) Analyse the electrostatic method of flock printing.
 - e) Give recipe and process flow for –
 - i) Magic printing
 - ii) Pearl printing.

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

- a) A 100 yard grey fabric with 48" width is inspected and following faults were found –

Defect size	No. of defects
4"	5
8"	8
12"	6

Suggest whether to accept or reject the fabric lot.

- b) Suggest the recipe and procedure to dye 5 gm fabric sample with 2% cold brand reactive dye shade.
- c) Analyse one and two bath dyeing procedure for PC fabric.

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

- a) Suggest stepwise procedure to evaluate bleaching efficiency.
- b) Give recipe, parameters and process for applying basic dye on wool fabric.
- c) Elaborate on procedure for direct style of printing on polyester fabric using –
- i) direct dye
 - ii) pigment.
