

C 3244

B.E/B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

Fourth Semester

Textile Technology (Fashion Technology)

FT 1255 — DYEING, PRINTING AND POLLUTION CONTROL

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Outline the advantages of Hydrogen Peroxide bleaching.
2. State the objectives of calendaring.
3. How do you dye polyester/cotton blends?
4. Enlist the functions of Relax Dryer.
5. State the advantages of Rotary Screw Printing.
6. List out different screw making techniques.
7. What is sand blasting Technique?
8. Outline the features of Enzyme finish.
9. What is BOD?
10. Enumerate different secondary effluent treatment techniques.

PART B — (5 × 16 = 80 marks)

11. (a) Explain about bleaching of cotton with hydrogen peroxide and sodium hypochlorite.

Or

- (b) Describe the working of Jigger dyeing machine and Felt calendaring machine with neat sketches.

12. (a) Explain about dyeing of polyester/cotton and polyester/viscose blends with suitable recipes.

Or

- (b) Describe the working of soft flow dyeing machine and compactor in detail.
13. (a) Write about the working of Automatic Flat bed screen printing machine with a neat sketch.

Or

- (b) Elaborate on Discharge and Resist printing.
14. (a) Give detailed notes on Acid wash finish and peach finish.

Or

- (b) Write about wrinkle free finishing and sand blasting in detail.
15. (a) Elaborate on causes of water pollution.

Or

- (b) Explain about sludge disposal and Air pollution by textile industry in detail.

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B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

Fifth Semester

Textile Technology (Fashion Technology)

FT 1301 — EMBROIDERY AND SURFACE ORNAMENTATION

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List out the sizes and types of needle used for embroidery.
2. Mention any four important rules to be adopted during embroidery.
3. Give the classification of embroidery stitches.
4. Brief on the stitches used in Kashmiri embroidery.
5. What is meant by eyelet work?
6. Illustrate a design suitable for mirror work on a Kameez.
7. Enlighten the importance of using frames for embroidery.
8. What are the factors to be considered in fixing the cost for embroidered goods?
9. Mention the special attachments used in the computerised embroidery machine.
10. Brief on the working principle of vertical embroidery machine.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the different types and functions of attachments of sewing machine used for embroidery.

Or

- (b) Explain the factors to be considered in selecting the needle, thread and fabric for embroidery.

12. (a) Explain the method of constructing any four filling stitches with illustrations.

Or

- (b) Explain the stitches, designs, colours and fabrics used for any four Indian traditional embroidery.

13. (a) Describe the method of making the following embroidery.

- (i) Eyelet work
- (ii) Drawn thread work
- (iii) Cutwork.

Or

- (b) Explain the various methods and materials used to construct the following surface ornamentation on the fabric.

- (i) Bead work
- (ii) Applique work
- (iii) Mirror work.

14. (a) Discuss the pressing machineries and the technique employed to press the embroidered fabrics.

Or

- (b) Give a detailed note on the types of frame and backing materials used for embroidery.

15. (a) Explain the parts and functions of vertical embroidery machine.

Or

- (b) Explain the application of CAD softwares in the field of embroidery.