Reg. No. : | | | | | | | | | | | | |

Question Paper Code : Q 2830

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2009.

Seventh Semester

Textile Technology (Fashion Technology)

FT 1010 — PRODUCT ENGINEERING AND PLANT LAYOUT

(Regulation 2004)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Compare woven and knitted fabric drape principles for pattern drafting.

2. State the factors to be considered for drafting pleated patterns.

3. What do you mean by factory scheduling?

4. State the importance of information systems in garment manufacturing.

5. List the operation levels used for constructing a men's T-shirt.

6. Name different production control reports.

7. State the importance of operator scheduling sheet.

8. What are the factors to be considered in the selection of site for an apparel plant layout?

9. What is leveling in time and motion study?

10. State the objects of time motion study.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the procedure for drafting basic shirt style patterns with sleeves.

Or

(b) Discuss in detail the geometric principles of draping and drafting.

12. (a) Discuss unit production system in detail with its advantages and disadvantages.

Or

(b) Construct a process flow grid chart for a Men's Jeans in detail.

13. (a) Explain the procedure for preparing a standard cost sheet and prepare a cost sheet for men's wear shirt.

Or

(b) Explain the cost control measures followed in spreading and cutting process in detail.

14. (a) Explain the steps to be followed in planning a production layout.

Or

(b) Prepare a evaluation scale for plant layouts of an apparel firm.

15. (a) Design a time study sheet for ladies blouse and explain.

Or

(b) Discuss the factors for improving sewing process operation efficiency.

Reg. No. :

Question Paper Code : Q 2831

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2009.

Seventh Semester

Textile Technology (Fashion Technology)

FT 1011 — ECO FRIENDLY DYES AND CHEMICALS

(Regulation 2004)

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Name a few harmful dyes.

2. Name a few finishing agents.

3. What do you mean by HPLC?

4. Give the structure of any one dye.

5. How are pesticides in cloth characterised?

6. Mention the applications of AAS in Eco-testing.

7. State the allowable limit of penta chlorophenol in textile applications.

8. What is the allowable dosage of free formaldehyde in baby clothing?

9. Enlist the harmful effects produced by chlorinated compounds.

10. Which bleaching chemical is harmful and why?

11. (a) What are the banned dyes? Elaborate on them.

Or

(b) Write a detailed note on finishing agents and their constitution. (8 + 8)

12. (a) Explain Gas Chromatography with a functional block diagram.

Or

(b) Write about alternative dyes and auxiliary chemicals used in place of banned ones, in detail. (8 + 8)

13. (a) Write about banned finish chemicals elaborately.

Or

(b) What are the alternative finishes used instead of banned ones? Elaborate on them.

14. (a) Explain the eco-friendly dry cleaning agents and solvents used in textile industry. (8 + 8)

Or

(b) Write in detail about eco-friendly pigments and bleaching agents applicable to textile industry. (8 + 8)

15. (a) Give a detailed note on eco-friendly guidelines applicable to dye stuff manufacturers.

Or

(b) Explain Mass spectrometer and its application in eco-testing.
