

C 3420

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

Fifth Semester

Textile Technology

TT 1303 – FABRIC MANUFACTURE – II

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the limitations of cam shedding?
2. Give any two important objectives of let off mechanism
3. Name any four special jacquards
4. Compare cone over pick and cone under pick mechanism
5. What is the objective of loose reed mechanism?
6. Name the factors to be considered for selecting shuttles
7. Give the different types of feelers
8. Why wider width fabrics are not possible in shuttle loom?
9. Give any four advantages of multiphase loom
10. What precautions do suggest for weaving filament yarn?

PART B — (5 × 16 = 80 marks)

11. (a) Draw the loom timing diagram for shuttle loom and mark the primary and secondary motions.

Or

- (b) Explain the working principle of cross border dobby.

12. (a) Name the types of sheds formed in jacquard machine. Explain in detail.

Or

(b) Sketch and explain the working principle of cone under picking mechanism.

13. (a) Discuss the various selection procedure for weaving accessories.

Or

(b) What is continuous take up mechanism? Explain in detail.

14. (a) Discuss the various yarn quality requirements for shuttles weaving.

Or

(b) Explain the working principle of any one of the rapier weft insertion system.

15. (a) What is quick style change? Explain in detail.

Or

(b) Explain the various measures to be taken for improving the productivity of loom shed.

Time

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

11.