

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 161801

Roll No.

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B.TECH.

Theory Examination (Semester-VIII) 2015-16

ADVANCE WEAVING TECHNOLOGY

Time : 3 Hours

Max. Marks : 100

Section-A

Q1. Attempt all Questions Each questions carry equal marks.
(2×10=20)

- (a) What are basic difference between shuttle less loom & shuttle loom?
- (b) Give broad classification of shuttle less loom.
- (c) Write two name of unconventional selvedge.
- (d) Give standard size of projectile.
- (e) What is the twist angel of tourism bar ?

- (f) What are the difference between rigid and flexible rapier loom.
- (g) Write name of loop weft transfer method.
- (h) Discuss in brief profile reed.
- (i) Write the name of Yarn Storage Unit in Shuttle less loom.
- (j) Make a flow diagram of water jet loom.

Section-B

Q2. Attempt any five questions. All questions carry equal marks. (5×10=50)

- (a) Explain the working principle of torsion bar picking mechanism.
- (b) What are the advantages of shuttle less loom over shuttle loom?
- (c) Discuss in salient features of sulzer projectile loom.
- (d) Give broad classification of rapier loom.
- (e) Describe in brief weft transfer in Gablar System.

- (f) Write advantage of air jet loom.
- (g) What are the differences between an air jet and a water jet loom?
- (h) What are the factors limiting the width of water jet loom?

Section-C

Note: Attempt any two questions. All questions carry equal marks. (15×2=30)

- Q3. Describe in detail the working principle of air jet loom with neat sketch.
- Q4. Discuss in detail working principle of water jet loom with neat sketch.
- Q5. Explain the working of dewas system of rapier loom with neat sketch.