



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

PAPER ID : 161801

Roll No.

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B.Tech.

(SEM. VIII) THEORY EXAMINATION, 2014-15 **ADVANCE WEAVING TECHNOLOGY**

Time : **3 Hours]**

[Total Marks : **100**

Note: Attempt all questions. All questions carry equal marks.

- 1 Attempt **any two** parts of the following
 - (a) Discuss about the various advantages of shuttle-less looms over shuttle looms.
 - (b) Give different phases of weft insertion in sulzer projectile loom.
 - (c) Describe the picking system of a sulzer projectile loom.

- 2 Answer **any two** parts of the following
 - (a) Give a classification of rapier loom along with their description.
 - (b) Discuss in detail Gabler system of weft insertion with sketch.
 - (c) Describe in brief Dewas system of weft insertion with sketch.

- 3 Answer **any two** parts of the following.
- (a) Describe in detail working of any Air- Jet loom.
 - (b) What are the essential requirements of Air- Jet mechanism?
 - (c) How many systems of selvage formation do you know? Describe in brief.
- 4 Attempt **any two** parts of the following
- (a) Discuss different types of problems in hydraulic weft supply system.
 - (b) Describe the principle of weft insertion of water-jet loom.
 - (c) Give brief introduction of multiphase loom.
- 5 Write short notes on **any two** parts of the following
- (a) Color selection mechanism
 - (b) Weft storage unit
 - (c) Measuring device