

Register No.:

754

April 2024

Time - Three hours  
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.  
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART - A

1. Mention the disadvantages of shuttle less weaving machines.
2. Provide the types and dimensions of projectiles.
3. Give any three salient features of rapier loom.
4. What are the uses of leno selvedge?
5. Name the various nozzles used in air jet loom.
6. What is the air quality requirement for air jet loom?
7. What is the limitation of multi-phase weaving?
8. What do you understand by classic terry?
9. Mention the types of yarn clearers used in modern winding machine.
10. Mention any three root causes for weft yarn breakages.

[Turn over.....

PART – B

11. (a) Explain the various operations carried out in Sulzer Projectile loom with a neat loom timing diagram.

(Or)

- (b) Explain how the picks are inserted in Sulzer projectile loom with a neat sketch.

12. (a) Explain the two different weft transfer systems used in rapier weaving with line sketches.

(Or)

- (b) Explain the working of electronic take up mechanism with a neat diagram.

13. (a) Explain the passage of material through an air jet weaving machine with neat diagram.

(Or)

- (b) Explain the working of yarn feeders in jet looms with the aid of simple diagrams.

14. (a) Explain the passage of material through a modern terry weaving machine with a neat sketch.

(Or)

- (b) Explain the two methods of indigo dyeing with recipe and loom requirement for denim weaving.

15. (a) Explain the various process control measures taken in winding department.

(Or)

- (b) Explain the passage of material in single jersey knitting machine with a neat diagram.

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