

Register No.:

562

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. What are the objectives of texturisation?
2. What are the advantages of edge crimped textured yarns?
3. Why rotor yarn is more even than ring yarn?
4. What are the fibre characteristics required for friction spinning?
5. What are the types of shuttleless looms?
6. Why weft accumulator is required for shuttleless looms?
7. Name any two chemicals used in chemical bonding.
8. What are the types of web bonding?
9. What is the function of cam?
10. Define over lap.

[Turn over.....

PART – B

11. (a) Explain gear crimping and knit de knit texturing with neat sketches.

(Or)

(b) Explain the properties of textured yarns with their longitudinal view.

12. (a) Explain the yarn formation in DREF 3 spinning process with sketch.

(Or)

(b) Explain the working of the air jet spinning with neat sketch.

13. (a) Explain the working of projectile weaving machine with neat sketch.

(Or)

(b) Explain the formation of tuck in and leno selvages with diagram.

14. (a) Explain about the spun lace mechanical bonding with sketch.

(Or)

(b) Explain about the thermal bonding techniques with diagram.

15. (a) Explain the knitting action of latch needles with neat sketches.

(Or)

(b) What are the common knitted fabric defects? Explain.
