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Code No: 154DB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech II Year II Semester Examinations, September/October - 2023

YARN MANUFACTURE –II

(Textile Engineering)

Time: 3 Hours

Max. Marks: 75

- Note:** i) Question paper consists of Part A, Part B.
ii) Part A is compulsory, which carries 25 marks. In Part A, answer all questions.
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART - A**(25 Marks)**

- 1.a) What is Wrapping check at Draw frame? How it is planned? [2]
- b) What is Carbon paper technique? How it is practiced? [3]
- c) Mention the various approached available for selecting a Combing preparatory passage. [2]
- d) How the Nippers in modern Comber are designed? [3]
- e) Write the Link types of Tensors and Spacers with Roving hank. [2]
- f) Why the drafting system is inclined in Ring frame? [3]
- g) Classify the twist levels found in vogue. [2]
- h) What arrangements made during doffing and donning? [3]
- i) What is wrapping test at Ring frame? [2]
- j) Classify the Yarn Doubling machines. [3]

PART - B**(50 Marks)**

2. Explain the passage of material through a conventional drafting system. [10]
- OR**
3. Give an account of various elements of a typical Drafting system in Draw frame and their Contribution to quality. [10]
4. With a neat sketch, explain the passage of material through a Comber. [10]
- OR**
5. How the Comber is set? Discuss with necessary technical inputs. [10]
6. Explain the working of any two types of drafting systems found on Speed frame. [10]
- OR**
7. Discuss the construction of Creels in ring frame. [10]
8. Discuss the role of Twist multiplier giving necessary technical inputs. [10]
- OR**
9. How the Builder motion is set for different types of builds? Explain the procedure. [10]
10. Examine the usefulness of different formats of Quality control studies at Ring frame. [10]
- OR**
11. Discuss the working of Cross and Straight yarn reeling machines. [10]

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