

Code No: 154DB

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech II Year II Semester Examinations, February - 2024

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) How do get improvement in U % at drawing? [2]
- b) Explain the use of NILO meter in drawframe. [3]
- c) Mention the Types of Combing preparatory machines. [2]
- d) What do you mean by Five minute test at Comber? [3]
- e) Give the reasons for different coloured empty tube usage at Simplex. [2]
- f) What is Bonda Waste of Ring Frame? [3]
- g) What is tangential belt system at Ring frame? [2]
- h) What is the basis for Recommend the twist level for spun yarn? [3]
- i) Mention the area of development in spindle design. [2]
- j) What is Cross Reeler? [3]

PART – B**(50 Marks)**

2. Discuss the driving arrangements of Drawframe. [10]
OR
3. Discuss the role of drafting parameters on drawn sliver quality. [10]
4. Discuss the role of Comber preparatory machines on Combed sliver quality. [10]
OR
5. Discuss the aspects of modern Comber. [10]
6. Discuss about the BOX –of- TRICKS mechanism found in Simplex. [10]
OR
7. Describe how do you select DCP and TCP at Ring frame during set change? [10]
8. Give the complete procedure followed for Production Doff at Ring frame. [10]
OR
9. Discuss the types of builds of Ring frame. [10]
10. Discuss the procedure and format followed for idle spindle study at Ring data. [10]
OR
11. Explain the working of Bundling machine with a neat sketch. [10]