



**GENERAL INSTRUCTIONS TO THE CANDIDATES**

1. Candidates are instructed to answer the questions as per Bloom's Taxonomy knowledge level (K<sub>1</sub> to K<sub>6</sub>)
2. Candidates are strictly instructed not to write anything in the question paper other than their roll number.
3. Candidates should search their pockets, desks and benches and handover to the Hall Superintendent/ Invigilator if any paper, book or note which they may find therein as soon as they enter the examination hall.
4. Candidates are not permitted to bring electronic watches with memory, laptop computers, personal systems, walkie-talkie sets, paging devices, mobile phones, cameras, recording systems or any other gadget / device /object that would be of unfair assistance to him / her.
5. Corrective measures as per KCT examination policies will be imposed for malpractice in the hall like copying from any papers, books or notes and attempting to elicit the answer from neighbours.

**B.TECH DEGREE EXAMINATIONS:DEC 2015**

(Regulation 2014)

Third Semester

**TEXTILE TECHNOLOGY**

U14TXT302: Yarn Manufacturing Technology- I

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. The correct sequence of machinery for modern Blow room line CO1 [K1]  
 1.Blenddomate 2.Monocylinder 3.Multimixture 4.ERM cleaner 5.Carding  
 a) 1-4-3-5-2 b) 1-2-3-4-5  
 c) 4-3-2-1-5 d) 1-5-2-4-3
2. Show the correct sequence of operation in Comber machine CO1 [K1]  
 1. Feeding 2.Nipping 3.Combing 4.Detaching 5.Top comb 6.Piecing  
 a) 6-5-4-3-2-1 b) 5-6-3-4-2-1  
 c) 1-2-3-4-5-6 d) 4-5-1-2-3-6
3. Show the correct sequence of operation in fly frame is Co1 [K1]  
 1.Drafting 2.twisting 3.Winding 4.Building





18. Why spacer is used in speed frame? CO2 [K2]
19. Differentiate bobbin lead and flyer lead in speed frame CO1 [K1]
20. Define ideal and actual drafting. CO1 [K1]

**Answer any FIVE Questions:-**

**PART C (5 x 14 = 70 Marks)**

**(Answer not more than 300 words)**

**Q.No. 21 is Compulsory**

21. Explain the operation of saw gin process with neat diagram. CO2 [K2]
22. Define BDT. Explain in detail the functioning of a blending machine working under BDT principle. CO2 [K2]
23. Explain in detail the various working parts of a high production card. CO2 [K2]
24. Examine the working mechanism of open loop auto leveler in draw frame. CO4 [K4]
25. With neat diagram explain the working of combing cycle for forward and backward feed in comber machine. CO4 [K4]
26. Discuss the mechanism of winding and bobbin building technique in speed frame CO4 [K4]

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