

B.TECH DEGREE EXAMINATIONS: MAY/JUNE 2013

Fifth Semester

TEXTILE TECHNOLOGY

TTX108: Spinning Technology-II

Time: Three Hours

Maximum Marks: 100

**Answer all the Questions:-
PART A (10 x 1 = 10 Marks)**

1. The short term periodic variation occurs between -----
 - a) 1 to 50cm
 - b) 1 to 15m
 - c) 1 to 50mm
 - d) 1 to 15 inches
2. The CV of the feed material is 14.5% and the process adds a CV of 5.7%. What is the CV% of output product?
 - a) 15.58
 - b) 15.78
 - c) 20.2
 - d) 20
3. The creel type used in modern spinning machine is ----- type creel
 - a) Skewer
 - b) Birken head
 - c) Umbrella
 - d) Two tier
4. Total draft = -----
 - a) Break draft ÷ Main draft
 - b) Main draft ÷ Break draft
 - c) Main draft × Break draft
 - d) Main draft + Break draft
5. The compact spinning system produces yarn with -----
 - a) Low hairiness
 - b) High strength
 - c) Low hairiness and High strength
 - d) Low hairiness and low strength
6. The twist multiplier employed in compact spinning is ----- when compared to conventional ring spinning (for the same count of yarn spun)
 - a) Low
 - b) high
 - c) Equal
 - d) optimum
7. The maximum production rate of modern rotor spinning is ----- m/mint
 - a) 200
 - b) 400
 - c) 2000
 - d) 4000
8. The rotor speed ranges from----- m/s
 - a) 90 to 110
 - b) 60 to 90
 - c) 35 to 50
 - d) 120 to 190

process.

(OR)

- b) Explain with neat sketch the working principle of Sussen Elite compact spinning process.

24. a) With neat sketch explain the working of Air vortex spinning system.

(OR)

- b) With neat sketch explain the working principle of DREF 3 friction spinning process.

25. a) With neat sketch explain the working principle of Two for one twister.

(OR)

- b) With neat sketch explain the SIRO spinning process.
