

Register Number:

B.TECH DEGREE EXAMINATIONS: MAY/JUNE 2013

Sixth Semester

TEXTILE TECHNOLOGY

TTX202: Texturizing Technology

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Texturizing process introduces
 - a) Stretch
 - b) Bulk
 - c) Crimp
 - d) All the above
2. The Partially oriented PET yarn is produced at spinning speeds of
 - a) > 1000MPM
 - b) 1500 – 3500 MPM
 - c) 5000 – 6000 MPM
 - d) < 6000 MPM
3. Helanca process is based on which of the following principle
 - a) Thermo mechanical
 - b) Chemo mechanical
 - c) Chemical
 - d) None of the above
4. False-twisting means
 - a) Twisting in the false direction
 - b) Not twisting
 - c) Introducing equal and opposite twist
 - d) Twisting with friction discs
5. The stacked disc-type friction twisting generally has _____discs
 - a) 9
 - b) 10
 - c) 12
 - d) 5
6. The rpm of the magnetic pin type spindles are
 - a) 200000rpm
 - b) 20000rpm
 - c) 800000 rpm
 - d) 80000rpm
7. Air-jet texturing is work in _____principle
 - a) Looping
 - b) . Over feeding
 - c) Stretching
 - d) None of the above
8. In air texturizing, nozzle jet is inclined at
 - a) 15-30⁰
 - b) 30-45⁰
 - c) 45-50⁰
 - d) 50-60⁰

23. a) Write short notes about:
- (i) Simultaneous and sequential draw texturizing. (7)
 - (ii) Testing of textured yarns. (7)

(OR)

- b) With neat sketches, explain the various twisting devices used in FT texturizing.

24. a) With neat sketches, explain Single, parallel and core-effect yarn produced in air jet texturizing.

(OR)

- b) Discuss the influence of process variables on the quality of air jet textured yarn.

25. a) Write detailed notes on:
- (i) Stuffer box texturizing. (7)
 - (ii) Gear crimping. (7)

(OR)

- b) Discuss in detail about the following
- (i) Bi- component filament texturing. (7)
 - (ii) Texturing of polypropylene and jute fibres. (7)
