

Register Number:

M.TECH. DEGREE EXAMINATIONS: NOV/DEC 2010

Third Semester

TEXTILE TECHNOLOGY

TTX602: Advanced Textile Finishing

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions:-

PART A (10 x 2 = 20 Marks)

1. Give the reaction of cellulose with citric acid for crease proofing finish.
2. What are the different methods of durable press finishing for cotton materials?
3. Give the pyrolysis action of cellulose burning process.
4. Give the role of silicone in water repellent finish.
5. What are the factors affecting the soil release finish of textile materials?
6. What are the different chemical methods of anti pilling treatment?
7. What is the principle of controlled compressive shrinkage?
8. How does the heat setting treatment control the dimensional stability of synthetic fibers?
9. Write short note on alkali treatment of polyester fibres.
10. What is woolanisation of jute material?

PART B (5x16= 80 Marks)

- 11.a) Explain in detail about the wash and wear finish of cotton material.

(OR)

- b) Discuss in detail about the nonformaldehyde resin finishing of cotton material.

12. a) Discuss in detail about the durable flame retardant finish of cotton and polyester/ cotton blend material.

(OR)

- b) Discuss in detail about the silicone and fluorocarbon based water repellent finish for cotton material.

13. a) Describe the mechanism of soil retention and soil release finish.

(OR)

- b) Discuss in detail about the antistatic finishing of textiles.

14. a) Explain in detail about the various methods and mechanism of heat setting of synthetic materials.

(OR)

- b) Give an account of various technique of foam finishing.

15. a) Describe in detail about the microencapsulation techniques used for finishing of textiles.

(OR)

- b) Discuss about the finishing of cotton material with various softening agent.
