

**M.TECH. DEGREE EXAMINATIONS: DECEMBER 2009**

First Semester

**APPAREL TECHNOLOGY AND MANAGEMENT**

FTY505: Advancements in Apparel Processing

**Time: Three Hours**

**Maximum Marks: 100**

**Answer All Questions:-**

**PART A (10 x 2 = 20 Marks)**

1. What are the suitable pre treatments of cotton?
2. Give the different role of hydrogen peroxide.
3. Give the principle of exhaust dyeing.
4. How embossed printing is performed?
5. What is easy care finishes?
6. List out the environmental considerations in finishing.
7. Mention the principle of centrifuging machine.
8. How paddle machines are applied?
9. What are the eco parameters in garment processing?
10. Why AATCC method of testing is followed?

**PART B (5 x 16 = 80 Marks)**

11. (a) Explain the advanced pre treatments for the purification of cotton material.

**(OR)**

- (b) Name the impurities in wool fibre. Describe how these are removed effectively? (4+12)

12. (a) Give an account on microwave and electrostatic dyeing.

(8+8)

**(OR)**

- (b) Elaborate the process of rubber printing.

13. (a) Give the reasons for wrinkle free finish.

Justify, how is it achieved?

(8+8)

**(OR)**

- (b) What are the textiles required anti microbial finishing? Explain its application. (4+12)

14. (a) Elaborate the dyeing process in paddle machine.

**(OR)**

(b) Explain the applicational process carried out in jet circulation dyeing machine.

15. (a) Explain why quality control is performed in garment processing?

**(OR)**

(b) What are the eco parameters related to garment processing? Explain.

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