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R 3646

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2007.

Seventh Semester

Textile Technology

TT 1401 — QUALITY ASSURANCE IN CHEMICAL PROCESSING

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. State the importance of process control in a Textile wet processing industry.
2. How do you evaluate textile auxiliaries?
3. How do you determine wax content in cotton?
4. What is Drop Test?
5. What is Copper Number?
6. How do you test Barium Activity Number?
7. What is Crocking Fastners?
8. How do you evaluate Flame Retardancy of Finished fabric?
9. Outline the concept of computer colour matching.
10. What are AATCC standards.

PART B — (5 × 16 = 80 marks)

11. (a) Write about selection and standardisation of incoming raw materials in a wet processing house.

Or

- (b) Explain major areas of process and quality control in Textile Chemical Processing in detail.

12. (a) Write in detail about determination of impurities in natural and man made fibres.

Or

- (b) Explain evaluation of desizing and scouring efficiency elaborately.

13. (a) How do you evaluate bleaching quality? Explain.

Or

- (b) Explain Quality Assurance in Mercerising.

14. (a) Give a detailed note on Fastness testing of dyed/printed textile materials.

Or

- (b) Explain quality evaluation of water repellent finished fabric in detail.

15. (a) Write about ISO standards related to testing of wet processed textile materials.

Or

- (b) Explain the working of computer colour matching system in detail.