Ref.677 MAT 5th ed

CONTENTS

I. Introduction	1
II. Physical properties of fibers	22
III. Microscopic and chemical properties of fibers	57
IV. Cellulose: sources, constitution, and chemical properties	99
V. History, growth, and statistics of cotton	148
VI. Microscopical characteristics of cotton fiber	198
VII. The physical properties of cotton	230
VIII. Chemical properties of cotton fiber	266
IX. The bast fibers	305
X. Structural or hard vegetable fibers	369
XI. Miscellaneous vegetable fibers	398
XII. Wool - history, grades, and statistics	450
XIII. Microscopical and physical properties of wool	507
XIV. Chemical nature and properties of wool	561
XV. Specialty hair fibers	615
XVI. Textile fur fibers, brush fibers, and down	653
XVII. The silk fibers	679
XVIII. Regenerated rayon fibers, filaments, and yarns	738
XIX. Acetate rayon fibers and yarns	790
XX. New synthetic textile fibers, Filaments and yarns	855
XXI. Mineral or inorganic fibers and filaments	915
XXII. Fiber identification methods	977
XXII. Quantitative fiber analysis	1040
XXIV. Fiber – testing methods	1060
Index	1097