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by

HARRY FREEMAN, M.A., F.I.A.

PART I

Elementary Differential & Integral Calculus

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INTRODUCTION

SINCE the publication in 1931 of *An Elementary Treatise on Actuarial Mathematics*, important changes have taken place in the syllabus for the examinations of the Institute of Actuaries. Algebra, Differential and Integral Calculus have been removed from Part I of the examinations and these subjects now form the mathematical section of the syllabus for the Preliminary Examination. Before a student can become a member of the Institute he must pass this examination and not until then can he become a candidate for Part I.

In the circumstances it is apparent that *An Elementary Treatise on Actuarial Mathematics* does not now satisfy present needs. The larger portion of the book is unnecessary for the Preliminary Examination and the Part I student does not require the chapters on Trigonometry and Differential and Integral Calculus.

Accordingly, the book has now been divided into two parts under the title of *Mathematics for Actuarial Students*. Part I of the book consists of the chapter on Trigonometry and the chapters on Elementary Calculus, taken with the minimum of alteration from *Actuarial Mathematics*. Part II, which is being almost entirely rewritten, will contain Finite Differences, Probability and Elementary Statistics.

H. F.

Dec. 1938