

UNIVERSITY OF MADRAS
B.Com. DEGREE COURSE IN ACCOUNTING & FINANCE
SYLLABUS WITH EFFECT FROM 2020-2021

BAF-DSA01

ALLIED-I: BUSINESS MATHEMATICS-I

Inst.Hrs : 6
Credits : 5

YEAR: I
SEMESTER: I

Learning outcomes:

Students gain math knowledge and develop proficiency in the application to solve business math problems.

UNIT – I

Theory of Sets -Set Theory – Definition, Elements and Types of Sets, Operations on Sets, Relations and Functions of Sets

Chapter - 1

UNIT – II

Algebra -Ratio, Proportion and Variations

Chapter- 2,3

UNIT – III

Permutation and Combination, Binominal Theorem, Exponential and Logarithmic Series –

Chapter-8,9,10

UNIT – IV

Differential Calculus -Differentiation – Meaning -, Rules: Maxima and Minima of Univariate Functions: Application of Maxima and Minima in Business

Chapter- 13

UNIT – V

Annuities – Bankers Discount – Binary Number System – Payroll, Wages and Commission.

Chapter- 11,19,20,21.

Contents and treatment as in

Business Mathematics, Dr. P.R. Vittal, Margham Publications.

REFERENCE BOOKS:

1. Business Mathematics – D.C. Sanchetti and V.K. Kapoor
2. Business Mathematics – B.M. Agarwal
4. Business Mathematics – R.S. Soni

Note: No Theory Questions to be asked.

e-RESOURCES:

1. <http://mathworld.wolfram.com>
2. <http://www.aanalyzemath.com/calculus>