

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

BAF-DSA2A

ALLIED-II(A): BUSINESS MATHEMATICS–II

Inst.Hrs : 6
Credits : 5

YEAR: I
SEMESTER: II

Learning outcomes:

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

UNIT – I

Plane Analytical Geometry: - Cartesian coordinate system: Length of a Line Segment – Section Formulae (Ratio) – Gradient of a Straight Line – Equations of a Straight Line
Chapter-12

UNIT – II

Matrices-Types of Matrix and Matrix Operations-Matrix Inversion-Solution to Linear Equations-Interpolation- Newton and Langrange’s Method
Chapter- 14, 22

UNIT-III

Arithmetic- Geometric and Harmonic Progressions
Chapter- 7

UNIT – IV

Integral Calculus: Integration, Meaning and Rules of Integration – Integration by Substitution and by Parts – Indefinite and Definite Integration – Application in Business (Trigonometric Functions to be excluded)
Chapter - 13

UNIT – V

Simple Interest, Compound Interest
Chapter 17,18

Contents and treatment as in

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

REFERENCE BOOK:

1. Business Mathematics – D.C. Sancheti and V.K. Kapoor
3. Business Mathematics – B.M. Agarwal
4. Business Mathematics – A.P. Varma
5. Business Mathematics – R.S. Soni

Note: No Theory Questions to be asked

e-RESOURCES

1. <http://mathworld.wolfram.com>
2. <http://www.univie.ac.at/future.media/moe/galerie.html>