

SUBBALAKSHMI LAKSHMIPATHY COLLEGE OF SCIENCE

An Autonomous Institution

(Affiliated to Madurai Kamaraj University & Re-Accredited with B+ Grade by NAAC)

T.V.R. NAGAR, ARUPPUKOTTAI ROAD, MADURAI-22



Course Outcomes

BATCH : 2019 -2022

Department of Mathematics

Course Outcomes (CO)

SEMESTER - I

I B.COM HONOURS

Semester	: I	No.of Hours	: 5
Subject code	:19BH106	Subject	: Business Mathematics and Statistics -I
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 4

(Questions should be asked in the ratio of 75% Problem and 25% Theory)

Course Outcomes:

- Understand the concepts in Ratio and Proportion, Indices and Logarithms
- Understand the concepts in Sets, Relations and Functions
- Apply the concepts in Differential and Integral calculus
- Remember the concepts related to basic introduction on statistics
- Understand the measures of central tendency and dispersion.

I B.COM HONOURS

Semester	: I	No.of Hours	: 2
Subject code	:19LR106	Subject	: Logical reasoning
Internal Marks	: 100	External Marks	:
Part	: IV [Skill Based]	Credits	: 2

Course Outcome:

- Apply the concepts of number series and letter series
- Apply the concepts of Direction Tests and Odd man out
- Apply the concepts of Seating Arrangements and Coding and Decoding
- Apply the concepts of Blood Relations and Logical Venn diagram
- Apply the concepts of syllogism and images

I BBA (Logistics & Shipping Management)

Semester	: I	No.of Hours	: 5
Subject code	:19BM106	Subject	: Business Statistics
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 4

Course Outcomes:

- Remember the concepts related to basic introduction on statistics.
- Understand the measures of central tendency.
- Understand the measures of dispersion.
- Apply the learning on correlation and regression.
- Remember interest and annuity calculation.

I B.SC COMPUTER SCIENCE & SECURITY SYSTEMS

Semester	: I	No.of Hours	: 4
Subject code	:19CS105	Subject	:Mathematical Foundation
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	:5

Course Outcomes:

- Understand the concepts in Sets and its properties
- Understand the concepts in Relations and Induction
- Apply the concepts of logic
- Understand the concepts of matrices
- Apply the concepts of graph theory

I B.SC FIRE AND INDUSTRIAL SAFTY

Semester	: I	No.of Hours	: 5
Subject code	:19FS106	Subject	: Probability & Statistics
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 4

(Questions should be asked in the ratio of 75% Problem and 25% Theory)

Course Outcomes:

- Remember the concepts related to basic introduction on statistics.
- Understand the measures of central tendency.
- Understand the measures of dispersion.
- Remember the concepts related to basic introduction on Probability Theory.
- Understand the various types of Random Variables.

Course Outcomes (CO)

SEMESTER - II

I B.COM HONOURS

Semester	: II	No. of Hours	: 5
Subject code	:19BH205	Subject	: Business Mathematics and Statistics II
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 4

(Questions should be asked in the ratio of 75% Problem and 25% Theory)

Course Outcomes:

- Evaluate the concepts in Equations
- Apply the learning on Time value of Money
- Apply the learning on Correlation and Regression.
- Analyze the concepts in Index Numbers
- Analyze the concepts in Time Series Analysis

I B.COM HONOURS

Semester	: II	No.of Hours	: 5
Subject code	:19BH206	Subject	: Business Mathematics and Statistics III
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 4

(Questions should be asked in the ratio of 75% Problem and 25% Theory)

Course Outcomes:

- Analyze the concepts in Matrices
- Apply the concepts in Permutations and Combinations
- Understand the concepts in Sequence and Series
- Apply the concepts in Probability
- Analyze the concepts in Theoretical Distributions

I B.COM BANKING & INSURANCE

Semester	: II	No. of Hours	: 5
Subject code	:19CO206	Subject	: FINANCIAL MATHEMATICS
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 4

Course Outcomes:

- Apply the concepts related to Ratio, Proportion and Percentage.
- Analyze the concepts related to Profit and loss.
- Apply the concepts related to Interest and Annuities.
- Evaluate the concepts related to Matrices.
- Evaluate the concepts related to Foreign Exchange Arithmetic.
(Questions should be asked in the ratio of 75% Problem and 25% Theory)

I BBA LOGISTICS AND SHIPPING MANAGEMENT

Semester	: II	No. of Hours	: 5
Subject code	:19BM206	Subject	: Operations Research
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 4

Course Outcomes:

- Apply the concepts related to linear programming problem.
- Analyze the concepts related to Transportation problem
- Apply the concepts related to Assignment problem.
- Analyze the concepts related to Network Analysis.
- Evaluate the concepts related to Game Theory.

I BSC COMPUTER SCIENCE (SSS)

Semester	: II	No. of Hours	: 4
Subject code	:19CS205	Subject	: Operations Research
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 4

Course Outcomes:

- Apply the concepts related to Linear programming problem.
- Analyze the concepts related to Transportation problem
- Apply the concepts related to Assignment problem.
- Analyze the concepts related to Network Analysis.
- Evaluate the concepts related to Game Theory.

I BSC NETWORKING

Semester	: II	No. of Hours	: 5
Subject code	:19BN206	Subject	:Applied Mathematics
Internal Marks	: 25	External Marks	: 75
Part	: III [Allied]	Credits	: 5

Course Outcomes:

- Understand and apply the concepts related to Set Theory and Relations.
- Understand the concepts related to Paths and Circuit
- Understand and apply the concepts related to Trees and Fundamental Circuits.
- Evaluate the concepts related to Transportation.
- Analyze the concepts related to Network Analysis

Course Outcomes (CO)

SEMESTER - III

II BBA (Logistics & Shipping Management)

Semester	: III	No.of Hours	: 3
Subject code	:19NS311	Subject	: Numerical Skills
CIA	: 25	External Maximum Marks	: 75
Part	: IV [Skill Based]	Credits	:2

COURSE OUTCOME:

CO 1 : Apply the learning Numbers.(k₃)

CO 2 : Apply the concepts of Problems on Ages, Time and work.(k₃)

CO 3 : Apply the learning on Pipes and Cisterns, Time and distance.(k₃)

CO 4 : Apply the concepts of Calendar, Clocks and Permutation and Combination.(k₃)

CO 5 : Apply the concepts of Multidimensional Problems.(k₃)

II B.COM (ACCA)

Semester	: III	No.of Hours	: 5
Subject code	:19AC304	Subject	: Business statistics
CIA	: 25	External Maximum Marks	: 75
Part	: III(Allied)	Credits	: 4

(Questions should be asked in the ratio of 75% Problem and 25% Theory)

COURSE OUTCOME:

On the successful completion of the course the students will be able to:

- Acquire knowledge about averages to be used in Business Research.(K₃)
- Gain knowledge about Standard Deviation. (K₃)
- Attain knowledge about the application of Correlation and Regression. (K₃)

- Acquire an in depth knowledge about Index Numbers. (K₃)
- Gain knowledge in Measures of Trend and its application in Business Research. (K₃)

• **II B.COM (B&I)**

Semester	: III	No.of Hours	: 3
Subject code	:19NS311	Subject	: Numerical Skills
CIA	: 25	External Maximum Marks	: 75
Part	: IV [Skill Based]	Credits	: 2

-
- **COURSE OUTCOME:**
- CO 1 : Apply the learning Numbers.(k₃)
- CO 2 : Apply the concepts of Problems on Ages, Time and work.(k₃)
- CO 3 : Apply the learning on Pipes and Cisterns, Time and distance.(k₃)
- CO 4 : Apply the concepts of Calendar, Clocks and Permutation and Combination.(k₃)
- CO 5 : Apply the concepts of Multidimensional Problems.(k₃)

II B.SC COMPUTER SCIENCE & SECURITY SYSTEMS

Semester	: III	No. of Hours	: 3
Subject code	:19NS311	Subject	: Numerical Skills
CIA	: 25	External Maximum Marks	: 75
Part	: IV [Skill Based]	Credits	:2

COURSE OUTCOME:

- CO 1 : Apply the learning Numbers.(k₃)
- CO 2 : Apply the concepts of Problems on Ages, Time and work.(k₃)
- CO 3 : Apply the learning on Pipes and Cisterns, Time and distance.(k₃)
- CO 4 : Apply the concepts of Calendar, Clocks and Permutation and Combination.(k₃)
- CO 5 : Apply the concepts of Multidimensional Problems.(k₃)

II BSc Networking

Semester	: III	No. of Hours	: 3
Subject code	:19NS311	Subject	: Numerical Skills
CIA	: 25	External Maximum Marks	: 75
Part	: IV [Skill Based]	Credits	:2

COURSE OUTCOME:

CO 1 : Apply the learning Numbers.(k₃)

CO 2 : Apply the concepts of Problems on Ages, Time and work.(k₃)

CO 3 : Apply the learning on Pipes and Cisterns, Time and distance.(k₃)

CO 4 : Apply the concepts of Calendar, Clocks and Permutation and Combination.(k₃)

CO 5 : Apply the concepts of Multidimensional Problems.(k₃)