FATIMA COLLEGE (AUTONOMOUS)

Re-Accredited with "A++" Grade by NAAC (Cycle -IV)

74th Rank in India Ranking 2020 (NIRF) by MHRD

Maryland, Madurai- 625 018, Tamil Nadu, India

NAME OF THE DEPARTMENT :COMMERCE WITH (CA)

NAME OF THE PROGRAMME :B.COM(CA)

PROGRAMME CODE   :USCC

ACADEMIC YEAR   : 2022-2023

2022-2023

Minutes of the meeting of Board of Studies in Department of Commerce with Computer Applications held on 17/03/2022 at 10:00 AM in Fatima College, Madurai -18.

Members Present:

Dr. Arasammal M   Head of the Department

Dr. Mayil Murugan A,   University Nominee
Associate Professor & Head,
PG Department of Commerce,
The Madura College (Autonomous),
Madurai -11.

Dr. Parveen M,   · Subject Expert
Head & Professor,
Department of Information Technology,
Cauvery College for Women (Autonomous),
Trichy
17/3/2022

Dr. Valli Devasena S,   Subject Expert
Assistant Professor,
Department of Commerce,
Mother Teresa Women's University,   S·Valli Devasena
Research and Extension Centre,   17·3·2022.
Keelakuilkudi, Madurai-625019.

Ms. Charanya. M, M·Com [Finance],   Industrialist
Technical Data Analyst,
Marketing Department,
TVS Sri Chakra. Ltd, Perumalpatti,

Vellaripatti (PO), Melur (TK),
Madurai - 112

Ms. Kaleeswari S   Alumna [B.Com (C.A)]
Assistant Professor,
Department of Commerce with   S. Kalees
Computer Applications.
Mangayarkarasi Arts and Science
College, Madurai.

Ms. Mable Jasmine Shobha A   Dean of Academic
                                  Affairs.

Staff Members:

Dr. Arasammal M   M. Arai
Ms. Mable Jasmine Shobha A
Dr. Sangeetha K
Mrs. Sakunthala P   P. Sakthala
Dr. Latha Maheswari TK   T.K. Lath
Mrs. Fanny M   Fanny M
Mrs. Raja Rajeswari S (Computer)   S. Raj R
Mrs. Shija Fathima J

Action Taken Report for 2021-2022
          1.a. Common Suggestions:

S.No	Common Suggestions Offered in the previous Board	Action taken for the Academic Year 2021-22
1.	To include Accounting Standards in Accounts papers	Implemented

1.b. Change of Course Title

S.No.	Old Course Code	New Course Code	Old Course Title	New Course Title	Need for change
	NIL	NIL	NIL	NIL	NIL

1.c. New Courses Introduced

S.No.	Course Code	Course Title	Relevance to *			Scope for #				Need for Introduction
			L	R	N	G	EMP	ENTRE	SD	
1	21K1CC2	Business Studies				✓	✓			To update the curriculum
2	21K2CC4	Programming in C (Theory & Practical)				✓	✓			Commerce & Computer (80:20) change in Nomenclature
3	21K1AC1	Computer Application in Business				✓	✓			Commerce & Computer (80:20) change in Nomenclature
4	21K3CC6	Principles of RDBMS (Theory & Practical)				✓	✓			Commerce & Computer (80:20) change in Nomenclature
5	21K4CC9	Web Programming (Theory & Practical)				✓	✓			Commerce & Computer (80:20) change in Nomenclature

S.No.	Course Code	Course Title	Relevance to *				Scope for #			Need for Introduction
			L	R	N	G	EMP	ENTRE	SD	
6	21K2AC2	Discrete Statistics				✓	✓			To update the curriculum
7	21K4CC10	Business Economics				✓	✓			To update the curriculum
8	21K5CC14	Programming in Python (Theory & Practical)				✓	✓			Commerce & Computer (80:20)- change in Nomenclature
9	21K6CC17	Business Research Method			✓	✓				To update the curriculum
10	21K6SB6	Graphical Designing				✓	✓			Commerce & Computer (80:20)- change in Nomenclature
11	21K1SL1	Trends in Information Technology (Self Learning Courses)				✓	✓			To update the curriculum
12	21K2SL2	Trends in Commerce (Self Learning Course)				✓	✓			To update the curriculum
13	21K3SL3	Digital Commerce (Self Learning Course)				✓	✓			To update the curriculum

S.No	Course Code	Course Title	Relevance to+				Scope for #			Need for Introduction
			L	R	N	G	EMP	ENTRE	SD	
14	21K4SLU4	Quantitative Aptitude (Self Learning Course)			✓	✓				To update the Curriculum
15	21K5SLJ5	Emerging Trends and Technologies (Self Learning Course)			✓	✓				To update the curriculum

1.d. Revised Courses – NIL

2. Updation of Open Educational Resources in the list of references of each course – NIL

3. Revision of Courses

S.No	Course Code	Course Title	No. & Title of Units Revised with the Revised Content specified if it is not the whole Unit	%. Of Revision	Need for Revision	Relevance to +			Scope #	
						L	R	NG	EMPT PRE	ENTRE SD
1.	19K1CC1	Business Accounting	Unit II : Sinking Fund Method & Insurance Policy Method is removed and Annuity Method is added	10%	To update the Curri-culum				✓ ✓	

S.No.	Course Code	Course Title	No & Title of Units Revised with the Revised Content specified if it is not the whole unit	% of Revision	Need for Revision	Relevance to *				Scope for #		
						L	R	N	G	EMP	ENTRE	SD
2.	19KSCC5	Principles of Cost Accounting	Unit V : Inter Process Profits removed and Equivalent Production is added	10%	To update the curri- -culum				✓	✓		
3.	19KSCC1	Principles Of Manage- -ment	Unit IV : Psychologi- -cal Test – Essentials– Placement– Orientation or Induct- -ion– Trai- -ning –Needs, Advantages and Methods of training is added.	10%	To update the Curri- -culum				✓	✓		

SNo	Course Code	Course Title	No. & Title of Units Revised with the Revised content specified if it is not the whole Unit	% of Revision	Need for Revision	Relevance to*				Scope for*		
						L	R	N	G	EMP	ENTRE	SD
A	21K4CC9	Web Programming (Theory & Practical)	Unit II : SMTP-POP - IMAP is removed	10%	To update the curri-culum				✓	✓		
5.	19K5CC15	Basics of Tax Laws & Practice	Dynamism : Practical E-Filing of Income Tax is added	10%	To update the curri-culum		✓			✓		
6.	21K6CC17	Business Research Method	Unit I : Scientific Investigation: The Building Blocks of Science is Research the Language Of Research Concepts, Cons-tructs, Defin-itions, Variables Proportions and Hypothesis theory and Models is removed. Unit IV : Applica--tion Of SPSS to be added.	10%	To update the curri-culum				✓	✓		

4. New Courses Introduced

S.No	Course Code	Course Title	Relevance to *				Scope for * EMP	FNTRE	$	Need for Introduction
			L	R	N	G				
1.	22KPAC1	Business Maths					✓	✓		To update the Curriculum

5. Introduction of Purely Skill - Embedded Certificate / Diploma / Advanced Diploma Value - Added Course other than the Value - Added Course that is already being offered — Nil

6. Approval of PhD Course Work Syllabus — Nil

7. Rubrics for Internship — Nil

Rubrics for Project

S.No	Course	C1 20 Mks	C2 20 Mks	CIA Total 40 Mks	External 60 Mks
1	Project	Cooperation & Presentation	Content & Critical Thinking	40 Mks	Content, Tools Presentation Viva-Voce.

8. Details of Active MoUs: Nil

9. Other Suggestions:
* 2 Units of GST to be added to Financial Accounting Software with GST.
* To have Business Statistics and Business Mathematics as two separate papers in Allied Core.
* To rearrange Units IV and J in Principles of Management

paper.

  * Suggested to create Business Model using Excel.

  - L- Local   # Employability
  - R - Regional   # Entrepreneurship
  - N - National   # Skill Development
  - G - Global

Change Of Course Title :

S.No.	Old Course Code	New Course Code	Old Course Title	New Course Title	Need for change
1	21KIAC1	22KICC 2	Business Studies	Computer Applications in Business	To update the Curriculum.

Dr. Anasammal M (Head)

Dr. Mayil Murugan A (University Nominee)

Dr. Parveen M (Subject Expert)

Dr. Valli Devasena S (Subject Expert)

Ms. Charanya M (Industrialist)

Ms. Kaleeswari S (Alumna)

Ms. Mable Jasmine Shobha A (Dean Of Academic Affairs)

Dr. Sangeetha K

Mrs. Sakunthala P

Dr. Latha Maheswari TK

Mrs. Janny M

Mrs. Raja Rajeswari S

Mrs. Shifa Fathima J

17/3/2022

VISION OF THE DEPARTMENT

Inspire and empower women to become self-sustained and innovative leaders in the field of Commerce and Computer Applications through Valued Based Education and Training.

MISSION OF THE DEPARTMENT

- To train and enrich the students with employable skills required in the field of commerce.
- To provide an opportunity to the pupils to get developed into competent and qualified entrepreneur.
- To aim for the holistic development of the students to contribute to the success of organisations and society at large.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

PEO 1	Our graduates will be academic, digital and information literates; creative, inquisitive, innovative and desirous for the "more" in all aspects
PEO 2	They will be efficient individual and team performers, exhibiting progress, flexibility, transparency and accountability in their professional work
PEO 3	The graduates will be effective managers of all sorts of real – life and professional circumstances, making ethical decisions, pursuing excellence within the time framework and demonstrating apt leadership skills
PEO 4	They will engage locally and globally, evincing social and environmental stewardship demonstrating civic responsibilities and employing right skills at the right moment

GRADUATE ATTRIBUTES (GA)

Fatima College empowers her women graduates holistically. A Fatimite achieves all-round empowerment by acquiring Social, Professional and Ethical competencies. A graduate would sustain and nurture the following attributes:

I.	SOCIAL COMPETENCE
GA 1	Deep disciplinary expertise with a wide range of academic and digital literacy
GA 2	Hone creativity, passion for innovation and aspire excellence
GA 3	Enthusiasm towards emancipation and empowerment of humanity
GA 4	Potentials of being independent
GA 5	Intellectual competence and inquisitiveness with problem solving abilities befitting the field of research
GA 6	Effectiveness in different forms of communications to be employed in personal and professional environments through varied platforms
GA 7	Communicative competence with civic, professional and cyber dignity and decorum
GA 8	Integrity respecting the diversity and pluralism in societies, cultures and religions
GA 9	All – inclusive skill- sets to interpret, analyse and solve social and environmental issues in diverse environments
GA 10	Self-awareness that would enable them to recognise their uniqueness through continuous self-assessment in order to face and make changes building their strengths and improving on their weaknesses

GA 11	Finesse to co-operate exhibiting team-spirit while working in groups to achieve goals
GA 12	Dexterity in self-management to control their selves in attaining the kind of life that they dream for
GA 13	Resilience to rise up instantly from their intimidating setbacks
GA 14	Virtuosity to use their personal and intellectual autonomy in being life-long learners
GA 15	Digital learning and research attributes
GA 16	Cyber security competence reflecting compassion, care and concern towards the marginalised
GA 17	Rectitude to use digital technology reflecting civic and social responsibilities in local, national and global scenario
	II. PROFESSIONAL COMPETENCE
GA 18	Optimism, flexibility and diligence that would make them professionally competent
GA 19	Prowess to be successful entrepreneurs and employees of trans-national societies
GA 20	Excellence in Local and Global Job Markets
GA 21	Effectiveness in Time Management
GA 22	Efficiency in taking up Initiatives
GA 23	Eagerness to deliver excellent service
GA 24	Managerial Skills to Identify, Commend and tap Potentials
	III. ETHICAL COMPETENCE
GA 25	Integrity and discipline in bringing stability leading a systematic life promoting good human behaviour to

	build better society
GA 26	Honesty in words and deeds
GA 27	Transparency revealing one's own character as well as self-esteem to lead a genuine and authentic life
GA 28	Social and Environmental Stewardship
GA 29	Readiness to make ethical decisions consistently from the galore of conflicting choices paying heed to their conscience
GA 30	Right life skills at the right moment

PROGRAMME OUTCOMES (PO)

On completion of B.Com(C.A) _____ programme, the graduates would be able to

PO 1	Acquire knowledge of fundamental concepts and subject specific academic competency.
PO 2	Enhance the communicative skills and gain confidence to disseminate knowledge through oral and written communication effectively.
PO 3	Think critically, evaluate analytically and apply the expertise of their discipline in real life.

PO 4	Appreciate literary, economic, cultural, socio-psychological and environmental diversity.
PO 5	Pursue and attain meaningful goals, develop positive attitude to gain self-awareness, self-esteem, self-discipline and self-motivation.
PO6	Acquire employability and entrepreneurial skills
PO7	Evolve as responsible citizens and leaders.

PROGRAMME SPECIFIC OUTCOMES (PSO)

On completion of B.Com(C.A) _____ programme, the graduates would be able to

PSO 1	Understand the concept of Commerce and Computer Applications.
PSO 2	Fulfil the needs of the company by providing their expertise through internship.
PSO 3	Inculcate Entrepreneurship and Managerial skills in students to enable them to establish and manage business effectively.
PSO 4	Learn Life Education, Social Responsibility and Business Ethics.
PSO 5	Acquire Academic Excellence with an aptitude for Higher Studies, Professional And Research.

FATIMA COLLEGE (AUTONOMOUS), MADURAI-18
DEPARTMENT OF COMMERCE WITH CA

For those who joined in June 2019 onwards

PROGRAMME CODE : USCC

PART – I – TAMIL / FRENCH / HINDI– 6 CREDITS

PART – I – TAMIL

Offered by The Research Centre of Tamil

S.NO	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT MKs
.	I	21TL1S1	Language- Modern Literature - nghJj;jkpo; - ,f;fhy ,yf;fpak;	5	3	40	60	100
–	II	21TL2S2	Language - Ancient & Medieval Literature (Com) nghJj;jkpo; - rq;fk; kw;Wk; ,ilf;fhy ,yf;fpak;	5	3	40	60	100
			TOTAL	**10**	**6**			

PART – I – FRENCH

Offered by The Department of French

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT MKs
.	I	21RL1C1	PART 1 LANGUAGE FRENCH - LE NIVEAU INTRODUCTIF	5	3	40	60	100
–	II	21RL2C2	PART 1 LANGUAGE FRENCH - LE	5	3	40	60	100

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT MKs
			NIVEAU DÉCOUVERTE					
			TOTAL	**10**	**6**			

PART – I – HINDI

Offered by The Department of Hindi

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT Mks
	I	21DL1S1	PART 1 LANGUAGE HINDI - बोलचाल की हिंदी	5	3	40	60	100
	II	21DL2S2	PART 1 LANGUAGE HINDI - कार्यालयीन हिंदी	5	3	40	60	100
			TOTAL	**10**	**6**			

PART – II -ENGLISH – 12 CREDITS

Offered by The Research Centre of English

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOTMks
1.		21EL1WB	BASIC COMMUNICATIVE ENGLISH					
	I	21EL1WI	INTERMEDIATE COMMUNICATIVE ENGLISH	5	3	40	60	100
		21EL1WA	ADVANCED COMMUNICATIVE ENGLISH					

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT Mks
–		21EL2WB	ENGLISH COMMUNICATION SKILLS					
–	II	21EL2WI	ENGLISH FOR EMPOWERMENT	5	3	40	60	100
–		21EL2WA	ENGLISH FOR CREATIVE WRITING					
–	III	21EL3WN	ENGLISH FOR DIGITAL ERA	5	3	40	60	100
–	IV	21EL4WN	ENGLISH FOR INTEGRATED DEVELOPMENT	5	3	40	60	100
			TOTAL	20	12			

PART – III -MAJOR, ALLIED & ELECTIVES – 101 CREDITS

MAJOR CORE COURSES INCLUDING PRACTICALS : 66 CREDITS

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT Mks
–	I	19KICC1	Business Accounting	6	4	40	60	100
–		22K1CC2	Computer Applications in Business	6	4	40	60	100
–	II	19K2CC3	Advanced Accountancy	6	4	40	60	100
–		21K2CC4	Programming in C (Theory & Practical)	6	4	40	60	100

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT Mks
–		19K3CC5	Principles of Cost Accounting	6	4	40	60	100
	III	21K3CC6	Principles of RDBMS (Theory & Practical)	6	4	40	60	100
		19K3CC7	Principles of Management	5	3	40	60	100
–		19K4CC8	Principles of Management Accounting	6	4	40	60	100
	IV	21K4CC9	Web Programming (Theory & Practical)	6	4	40	60	100
		21K4CC10	Business Economics	5	3	40	60	100
–		19K5CC11	Basics of Tax Laws & Practice	5	4	40	60	100
–		19K5CC12	E-Commerce	5	4	40	60	100
–	V	19K5CC13	Financial Accounting in Software Package with GST	5	4	40	60	100
–		21K5CC14	Programming in Python(Theory & Practical)	5	4	40	60	100
–	VI	19K6CC15	Principles of Tax Laws & Practice	5	4	40	60	100

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT Mks
		19K6CC16	Company Accounts	5	4	40	60	100
		21K6CC17	Business Research Method	5	4	40	60	100
			TOTAL	93	66			

ALLIED COURSES- 20 CREDITS

S.NO	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT. MKs
	I		Business Maths	5	5	40	60	100
	II	19K2AC2	Discrete Statistics	5	5	40	60	100
	III	19U3ACK3	Principles & Practice of Banking (Offered to BBA)	5	5	40	60	100
	IV	19U4ACK4	Management Information System (Offered to BBA)	5	5	40	60	100
			TOTAL	20	20			

ELECTIVES-15 CREDITS

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT. Mks
	V	19K5ME1/	Security Analysis/	5	5	40	60	100

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT. Mks
		19K5ME2	Practical Auditing					
–	VI	19K6ME3 / 19K6ME4	Human Resource Management/ Financial Management	5	5	40	60	100
–		19K6ME5 / 19K6ME6	Enterprise Resource Planning/ Company Law & Practice	5	5	40	60	100
			TOTAL	**15**	**15**			

PART – IV – 20 CREDITS

- **VALUE EDUCATION**
- **ENVIRONMENTAL AWARENESS**
- **NON-MAJOR ELECTIVE**
- **SKILL BASED COURSES**

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT. Mks
		21G1VE	Personal Values	1	1	40	60	100
–	I	19K1NME1	Non-Major Elective (Offered to other major Students) Fundamentals of Costing	2	2	40	60	100
–	II	21G2VE	Values for Life	1	1	40	60	100

S.No	SEM.	COURSE CODE	COURSE TITLE	HRS	CREDITS	CIA Mks	ESE Mks	TOT. Mks
59000		19K2NME	Non-Major Elective (Offered to other major Students) Fundamentals of Costing	2	2	40	60	100
–	III	19G3EE	Environmental Education	1	1	40	60	100
–		19K3SB1	Introduction to Banking	2	2	40	60	100
–	IV	19G4EE	Environmental Education	1	1	40	60	100
–		19K4SB2	Practical Banking	2	2	40	60	100
–	V	19K5SB3	Skills for Bank Exam	2	2	40	60	100
–		19K5SB4	Soft Skills for Bank Employment	2	2	40	60	100
–	VI	19K6SB5	Skills for Verbal Reasoning	2	2	40	60	100
–		21S6SB6	Graphical Designing	2	2	40	60	100
			TOTAL	**17**	**20**			

I B.COM CA

SEMESTER –I

For those who joined in 2022 onwards

PROGRAMME CODE	COURSE CODE	COURSE TITLE	HRS/ WEEK	CREDITS
USCC	22K1AC1	BUSINESS MATHS	5	5

COURSE DESCRIPTION

This course is an introduction to Matrix Algebra, Differential Calculus Law of Indices & Linear Equations Mathematics in Business Practices, Permutation and Combination.

COURSE OBJECTIVES

To gain basic knowledge in the Applications of Maths.

UNITS

UNIT I MATRIX ALGEBRA   (15 HRS.)

Equal matrices - diagonal matrix - scalar matrix - unit matrix - null matrix - **matrix operations**: Addition & Subtraction of matrices - multiplication of matrices - properties of transpose - determinants of a matrix - properties of determinants - singular & non-singular matrices - reciprocal of matrix or universe of a matrix - orthogonal matrix - simultaneous linear equations - general properties of matrices - Application of Addition and Multiplication of matrix using MS. Excel.

UNIT II DIFFERENTIAL CALCULUS   (15 HRS.)

Introduction- limits- continuity differentiation derivative of X^n - derivative of e^x - product rule - quotient rule - function of a function rule - parametric differentiation and successive differentiation (Excluding log and trigonometric functions). Applications of derivative - marginal cost - marginal revenue. (simple problems only).

UNIT III LAWS OF INDICES & LINEAR EQUATIONS   (15 HRS.)

Indices – Positive Indices – Fractional Indices – Operational Indices – Equations– Degree of an Equation – Simultaneous linear Equations.

UNIT IV MATHEMATICS IN BUSINESS PRACTICES   (15 HRS.)

a) Simple interest - b) Compound interest - effective rate of interest –

c) annuities- d) Discount on bills - e) Profit & Loss - f) Payroll wages commission.

UNIT V PERMUTATION AND COMBINATION   (15 HRS.)

Fundamental rules of counting - permutations - factorial notation - permutations of N different things - permutations of things not all different - combination - complementary theorems - restricted combinations of things not all different.

UNIT VI - DYNAMISM(Evaluation Pattern-CIA only)

Business Mathematics Basic Terms- Applications of Business Mathematics.

TEXT BOOK:

Business mathematics   - P.R.Vittal, Margham publications,Chennai

BOOKS FOR REFERENCE:

Business Mathematics - D.C. Sanchetti & V. K. kapoor, Sultan Chand & Sons publications, New Delhi.

Digital Open Educational Resources (DOER) :

- https://www.statisticshowto.com/matrices-and-matrix-algebra/

- https://uemath.com/data/permutations-and-combinations/

2. https://www.investopedia.com/terms/c/correlation.asp#:~:text=Corre lation%20is%20a%20statistic%20that,such%20as%20the%20S%26P %20500.

3. https://byjus.com/commerce/meaning-and-characteristics-of-index-numbers/

COURSE CONTENTS & LECTURE SCHEDULE:

Module No.	Topic	No. of Lectures	Teaching Pedagogy	Teaching Aids
UNIT -1 INTRODUCTION & MEASURES OF CENTRAL TENDENCY				
1.1	Introduction of statistics - Characteristics– Requisite of a good average	1	Chalk & Talk	Black Board
1.2	Mean Simple Average: (Individual, Discrete, Continuous)	3	Chalk & Talk	Black Board
1.3	Weighted Average, Combined mean	3	Chalk & Talk	Black Board
1.4	Median (Individual, Discrete, Continuous)	3	Chalk & Talk	Black Board
1.5	Mode (Individual, Discrete, Continuous) - Diagrammatic and graphic presentation of data using Excel - Calculation of averages using Excel.	5	Chalk & Talk	Black Board
UNIT -2 MEASURES OF DISPERSION				
2.1	Objects – Properties	1	Chalk & Talk	Black Board
2.2	Absolute and Relative measures – Range	2	Chalk & Talk	Black Board
2.3	Quartile deviation	3	Chalk & Talk	Black Board

2.4	Mean deviation	3	Chalk & Talk	Black Board
2.5	Standard deviation	5	Chalk & Talk	Black Board
2.6	Variance.	1	Chalk & Talk	Black Board
UNIT -3 CORRELATION				
3.1	Introduction - Co-efficient of correlation and Causation - Types of correlation - Positive and Negative - Simple - Linear and Non-linear methods	3	Chalk & Talk	Black Board
3.2	Scatter Diagram – Graphic	2	Chalk & Talk	Black Board
3.3	Karl Spear son's Co-efficient of correlation - Deviation method.	5	Chalk & Talk	Black Board
3.4	Rank Correlation Co-efficient – Concurrent	5	Chalk & Talk	Black Board
UNIT -4 REGRESSION ANALYSIS				
4.1	Introduction - Methods of regression analysis	1	Chalk & Talk	Black Board
4.2	Regression Equation of X on Y - Regression Equation of Y on X	1	Chalk & Talk	Black Board
4.3	Deviations Taken from Arithmetic Means of X and Y	3	Chalk & Talk	Black Board
4.4	Deviations Taken from Assumed Means	5	Chalk & Talk	Black Board
4.5	Regression Equations In Case of Correlation Table – Standard Error of Estimate	5	Chalk & Talk	Black Board
UNIT -5 INDEX NUMBERS & TIME SERIES				
5.1	**Index Number:** Introduction-	2	Chalk	Black

	Types, Aggregate			&Talk	Board
5.2	Weighted, Price relatives - Tests	4	Chalk & Talk	Black Board
5.3	Fixed base, Chain base, Shifts	4	Chalk &Talk	Black Board
5.4	Consumer price index, Aggregate, Family budget method.	3	Chalk & Talk	Black Board
5.5	Time series: - Moving average, Method of least squares.**(Self Study)**	2	Discussion	Black Board

Levels	C1	C2	C3	C4	Total Scholastic Marks	Non Scholastic Marks C5	CIA Total	% of Assessment
	Session-wise Average 5 Mks.	Better of W1, W2 5 Mks	M1+M2 5+5=10 Mks.	MID-SEM TEST 15 Mks	35 Mks.	5 Mks.	40Mks.	
K1	5	-	-	2 ½	7.5	-	7.5	18.75 %
K2	-	5	4	2 ½	11.5	-	11.5	28.75 %
K3	-	-	3	5	8	-	8	20 %
K4	-	-	3	5	8	-	8	20 %
Non Scholastic	-	-	-	-		5	5	12.5 %
Total	5	5	10	15	35	5	40	100 %

CIA	
Scholastic	35
Non Scholastic	5
	40

EVALUATION PATTERN

SCHOLASTIC					NON - SCHOLASTIC	MARKS		
C1	C2	C3	C4	C5	C6	CIA	ESE	Total
10	10	5	5	5	5	40	60	100

UG CIA Components

			Nos		
C1	-	Test (CIA 1)	1	-	10 Mks
C2	-	Test (CIA 2)	1	-	10 Mks
C3	-	Assignment	1	-	5 Mks
C4	-	Open Book Test/PPT	2 *	-	5 Mks
C5	-	Quiz	2 *	-	5 Mks
C6	-	Attendance		-	5 Mks

COURSE OUTCOMES

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

NO.	COURSE OUTCOMES	KNOWLEDGE LEVEL (ACCORDING TO REVISED BLOOM'S TAXONOMY)	PSOs ADDRESSED
CO 1	Expertise in the measures of central tendency and to explain the basic concepts of statistics.	K1	PSO1
CO 2	Capability to illustrate the measures of dispersion problems	K1, K2	PSO7
CO 3	Ability to solve the Correlation analysis problems	K1 & K3	PSO5 & PSO7

CO 4	Ability to solve the regression analysis problems.	K1, K2 &K3	PSO7
CO 5	Ability to compute the methods of Index numbers and Time series.	K2 & K4	PSO1 & PSO2
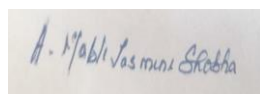
Mapping COs with PSOs

CO/ PSO	PSO1	PSO2	PSO3	PSO4	PSO5
CO1	3	3	2	3	3
CO2	2	3	1	3	2
CO3	3	2	2	3	3
CO4	3	3	3	3	3
CO5	1	3	3	3	1

Mapping COs with POs

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	3	3	3	3	3	3	3
CO2	3	3	2	3	2	2	3
CO3	3	2	3	2	3	3	2
CO4	3	3	3	3	3	3	3
CO5	3	3	3	3	1	1	3

Note: ♦ Strongly Correlated – **3**   ♦ Moderately Correlated – **2**
♦ Weakly Correlated -**1**

COURSE DESIGNER:

MS.A. MABLE JASMINE SHOBHA

Forwarded By

Dr.M.Arasammal

HOD'S Signature & Name