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HERAMBA CHANDRA COLLEGE
DEPARTMENT OF ECONOMICS

Program B.A/ B.Sc Economics(CCF)
Programme Objective

Sl No	On completing of B.Sc, Students will be able to
PO1	Critical Thinking: This outcome involves training students to think critically and independently. Critical thinking skills help graduates make informed decisions and solve problems effectively.
PO2	Problem-solving: BA programmes should equip students with problem-solving skills. Graduates should be capable of identifying complex issues, analysing root causes, and AAA effective solutions. This skill is valuable in both personal life and professional careers.
PO3	Employability: On graduating, the students will be eligible for employment in the field of education and other industries like tourism, media, hospitality, etc. Their skills in comprehension of general social phenomena around them place them in an ideal situation for such jobs. They will also be able to appear for competitive examinations conducted for public sector jobs.
PO4	Interdisciplinary Knowledge: Depending on their chosen major, minor and interdisciplinary subjects within the BA programme, students should develop expertise in their specific area of study, whether literature, history, geography, political science or another field. This specialised knowledge provides depth in their chosen discipline.

Programme Specific Outcomes(PSO) for B.Sc Economics

Sl No	On completing B.Sc Economics , The students will be able to
PSO 1	Adopt, understand and evaluate the structure of Economic Models and Economic Problems.
PSO 2	Predict the impact of Economic policies at the micro that is firm and household level and macro that is country level.
PSO 3	Acquire knowledge on national and international trade.
PSO 4	Analyse economic problems and suggest policy measures to resolve those problems for the purpose of economic development.
PSO 5	Collect , organise and analyse economic data and thereby measure economic variables using mathematical and statistical tools and techniques.

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PSO 6	Acquire knowledge about history and development of Economics.
PSO 7	Acquire knowledge and skills for start-ups and become successful entrepreneurs.

Course Outcomes (CO) are mapped to the revised Bloom's Taxonomy using the following abbreviations
R- Remembering, U- Understanding, Ap- Applying, An- Analysing, E- Evaluating, C- Creating

Semester- I (July to December)
Core Course –I:Introductory Microeconomics
Course Code: CC1(MAJOR)

Programme	B.Sc HONS Economics
Course Code	Course Name
CC1	MICROECONOMICS1
Year and Semester	1ST YEAR 1ST SEMESTER
Prerequisite Course	None
Course Objective	To develop a detail understanding of basic Microeconomic theory and policies

SL.No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
Unit 1: Exploring the subject matter of Economics	CO1	Understanding Basic EconomicQuestion ,Different Concepts Of Economic Agents like Households-Firms,Different Concepts Of Production Function,Externality,Gains From Trade.	2,3	1,2,4	U,Ap,An, E
Unit 2:	CO2	Understanding Cardinal	1,2,3	1,2,4	U,Ap,An,

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Utility Theory		Utility Theory in light of Law of Diminishing Marginal Utility,concept of Equilibrium,Derivation of Marshallian Demand Curve from Marginal Utility Curve.			E
Unit 2: Utility Theory	CO3	Understanding Ordinal Utility Theory in light of Indifference Curve,Budget Line, Consumers Equilibrium and Comparative Static.	1,2,3	1,2,4	U,Ap,An, E
Unit 3: Demand and Supply: How Markets Work	CO4	Understanding concepts Of Demand and Supply,Law of Demand and Law of Supply,Determinants Of Demand andSupply,Exceptions to the Law of Demand And Supply,Different Applications To The Law of Demand.Equilibrium in Competitive Market. Application of Equilibrium in Competitive Market Considering Changes in Demand and Changes in Supply.	1,2,3	1,2,4	U,Ap,An, E
Unit 4: Market and Adjustments	CO5	Understanding Price System and Invisible Hand,Different Types of Decision Takers, Different Types of Market and Difference among Markets,Different Types of Goods	1,2,3	1,2,4	U,Ap,An, E
Unit 5: Market Sensitivity and Elasticity	CO6	Understanding Different Types of Demand and Supply Elasticity and their Alternative Methods of Calculation,Concepts of Long Run and Short Run Elasticity and Different Case Studies.	1,2,3	1,2,4	U,Ap,An, E

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	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1		3	1		2	3		3			
CO2	3	3	1		2	3		3			
CO3	3	3	1		3	3		3			
CO4	1	3	1		2	3		3			
CO5	3	3	1		3	3		3			
CO6	3	3	2		3	3		3			
Average	2.6	3	1.2		2.5	3		3			
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 1
Core Course –II: MICROECONOMICS -1
Course Code: CC1 (MINOR)

Programme	B.Sc HONS Economics
Course Code	COURSE NAME
CC2	MICROECONOMICS 1
Year and Semester	1ST YEAR 1ST SEMESTER
Prerequisite Course	None
Course Objective	Understanding basic concepts of Microeconomics Theory

SL.No	Course Outcom	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level

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	e				
Unit 1: Exploring the subject matter of Economics	CO1	Understand scope of Economics, basic Principles of microeconomics, and concepts of trade	1,2	1,2,3,4	R, An , U
Unit 2: Utility Theory	CO2	Understand cardinal theory of utility	1,2	1,2,4	R, An , U
Unit 2: Utility Theory	CO3	Understand Indifference curve approach of utility theory	1,2	1,2,4	R, An , U
Unit 3: Demand and Supply: How Markets Work	CO4	Understand demand , supply their elasticities. And basic concepts of equilibrium price determination	1,2	1,2,4	R, An , U
Unit 4: Market and Adjustments	CO5	Understands concepts of markets and distinctions between goods and factor markets.	1,2	1,2,4	R, An , U
Unit 5: Market Sensitivity and Elasticity	CO6	Understand elasticities related to demand supply .	1,2	1,2,4	R, An , U

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	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	2			3	2	3	2			
CO2	3	3			3	3		2			
CO3	3	3			3	3		2			
CO4	3	3			3	3		2			
CO5	3	3			3	3		2			
CO6	3	3			3	3		2			
Aver age	2.83	3			3	2.83	3	2			
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester -I (JULY DECEMBER)
Skill Enhancement Course-I Introductory Statistics and Applications
Course Code: SEC 1

Programme	B.Sc HONS Economics
Course Code	Course Name
SEC1	Introductory Statistics and Applications
Year and Semester	1st year, 1st Semester
Prerequisite Course	NIL
Course Objective	Understand and apply the statistical tools and techniques for effective decision making

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SL.No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
1.Introduction and Overview	CO1	Learn and understand Basic Steps in Statistical Methods – Collection, Presentation and Analysis of Data	1,2,4	1,2,5	R,U,An,C
2.Central tendency and index numbers	CO2	Learn,understand concepts of measures of central tendency and Index numbers	1,2	1,2,3,4,5	E,U,Ap,An
3.Measures of dispersion	CO3	Understand the concepts of absolute and relative measures of dispersion	1,2	1,2,4,5	R,Ap,An
4.Skewness and Kurtosis	CO4	Learn the concepts of moments ,measures of skewness and kurtosis	1,2	1,2,4,5	R,U,An
5.Bivariate analysis	CO5	Apply tools and techniques of correlation and regression in analysing data and problem solving	1,2	1,2,4,5	R,U,Ap,An,C

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	2	3	1	2	2	1	1	3	3	-	-
CO2	2	3	1	2	2	1	1	3	3	-	-
CO3	2	3	1	1	2	1	1	3	3	-	-

CO4	2	3	1	1	2	1	1	3	3	-	-
CO5	3	3	1	1	2	1	1	3	3	-	-
Average	2	3	1	1.4	2	1	1	3	3	-	-
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 1
Interdisciplinary Course
IDC Sem 1 Elementary Economics

Programme	B.Sc HONS Economics
Course Code	Course Name
IDC	ELEMENTARY ECONOMICS
Year and Semester	1ST YEAR 1ST Semester
Prerequisite Course	NIL
Course Objective	Basic understanding of Economics as a subject and interpret situation of the nation

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Understand the basic concepts of elementary Microeconomic like -Demand, Supply, Elasticity	1, 3	1, 2, 4	U, AP, AN, E
UNIT-1	CO2	Understand the concept of Theory of Production, Cost	1, 3	1, 2, 4	U, AP, AN, E

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		and Market mechanism			
UNIT-2	CO3	Develop the idea of NI, determination of NI, General Price level, Fiscal and Monetary policy, International Trade and Contemporary issues	1, 3	1, 2, 3, 4	U, AP, AN, E
UNIT-3	CO4	Concept of growth, development, sustainable development, HDI	1, 3	1, 2, 3, 4	U, AP, AN, E
UNIT-4	CO5	Understand the concept of Economic Reforms from the perspective of Financial sector, Trade.	1, 3	1, 2, 4, 5	U, AP, AN, E
UNIT-4	CO6	Importance of Planning and it replacement by NITI Ayog	1 ,3	1, 2, 4,5	U, AP, AN, E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3		2		3	3		3			
CO2	3		2		3	3		3			
CO3	3		2		3	2	3	3			
CO4	3		2		3	2	3	3			
CO5	3		3		3	3		3			
CO6	3		3		3	3		3			
Average	3		2.3		3	2.3	3	3			
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

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Semester –II (January- June)
Core Course -2 Macroeconomics-I
Course Code: CC2(MAJOR)

Programme	B.Sc HONS Economics
Course Code	Course Name
CC2	Macroeconomics 1
Year and Semester	1st year 2nd semester
Prerequisite Course	Macroeconomics -1
Course Objective	Give a detail understanding of Macroeconomic Theory

SL No	Course outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
Unit-1 National Income Accounting	CO1	Understand the basic ideas of National Income Accounting including problem solving techniques, the concept of saving, investment and budget deficit	1,2,3, 4	1,2,4	U, R, Ap
Unit2: Income Determination in the Short Run	CO2	Comprehend the fundamental concepts of consumption and saving functions, equilibrium stability, effective demand, and demand-driven output, along with essential problem-solving techniques.	1,2,3, 4	1,2,4	U, R, Ap
Unit3: Income Determination in the Short Run	CO3	Income determination through Keynesian Approach in the short run as well as how multiplier processes works in the economy, paradox of thrift,	1,2,3, 4	1,2,4	U,An,R
Unit 4 : Basic	CO4	Understand the basic ideas of investment function, determinants	1,2,3, 4	1,2,4	U, R, An, Ap

theory of Investment		of investment, marginal productivity of capital, marginal efficiency of capital and marginal efficiency of investment including problem solving techniques.			
Unit 5: The Classical system	CO5	Basic ideas of Classical Macroeconomics,Income and Employment determination through Classical Approach in the long run	1,2,3, 4	1,2,4	U,An,R
Unit 6	CO6	Grasp the concepts of the inflationary gap, distinguishing between demand-pull and cost-push inflation, and the principles of anti-inflationary policies.	1,2,3, 4	1,2,4	U, R, An, Ap

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	2	3	3	3	3	3	3	3	3	3	3
CO2	3	3	2	3	3	2	3	2	3	2	2
CO3	3	3	3	3	3	2	3	3	3	2	2
CO4	2	2	3	3	3	3	3	3	2	2	3
CO5	3	3	3	3	2	3	3	2	2	3	2
CO6	3	2	3	3	2	3	3	3	2	3	3
Average	2.66	2.66	2.83	3	2.66	2.66	3	2.66	2.5	2.5	2.5
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

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Semester 2 (January -June)
Core Course -2 Macroeconomics-I(MINOR)
Course Code: CC2

Programme	B.Sc HONS Economics
Course Code	Course Name
CC2	Macroeconomics-I
Year and Semester	1ST YEAR 2nd Semester
Prerequisite Course	NA
Course Objective	Basic macroeconomic idea

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
Unit 1 National Income Accounting	CO1	Understand the basic ideas of National Income Accounting	1,2	1,2	U,R,An, E
Unit 2.1 The Simple Keynesian Model in a Closed Economy	CO2	Calculate the equilibrium income	1,2	1.2	R,U,Ap, E
Unit 2.2 The Simple Keynesian Model in a Closed Economy	CO3	Determine the value of the multipliers	1,2	1,2	U,R,Ap, An,E
Unit 3 Basic theory of Investment	CO4	Understand basic idea about MEC and MEI	1,2	1,2,4	U,R,E

Unit 4 The Classical system	CO5	Basic idea about Classical Macroeconomics	1,2	1,2	U,R
Unit 5 Inflation	CO6	Form idea about Demand pull and Cost -push inflation	1,2	1,2,4	U,R,Ap, E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	3	1	1	3	2	1	3	1	1	1
CO2	3	3	1	1	3	2	1	2	1	1	1
CO3	3	3	1	1	3	2	1	2	1	1	1
CO4	3	3	1	1	3	2	1	2	1	1	1
CO5	3	3	1	1	3	2	1	2	1	1	1
CO6	3	3	1	1	3	2	1	2	1	1	1
Aver age	3	3	1	1	3	2	1	2	1	1	1
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

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Semester 2 (January-June)
SEC -: Introductory Statistics and Application tools
Course Code: SEC2

Programme	B.Sc HONS Economics
Course Code	Course Name
SEC 2	**Introductory Statistics and Applications (II)**
Year and Semester	First year 2nd semester
Prerequisite Course	Knowledge of descriptive statistics
Course Objective	Learn the tools and techniques of MS Excel in statistics for effective decision making

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
1.Concept on Data Frame	CO1	Understand the purpose and benefits of using worksheets in data management and analysis - will be Familiar with Microsoft Excel, and their user interface	1,2,3	4,5,7	R,U,Ap, An
2.Data Entry and Formatting	CO2	learn Data Validation and Conditional Formatting ,sorting,filtering,application of formulae and functions	1,2,3	4,5,7	R,U,Ap, An
3.Frequency Analysis and Data Visualization	CO3	Learn creating charts and graphs to visually represent data through graphs ,charts	1,2,3	4,5,7	R,U,Ap, An

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4.Descriptive Statistics	CO4	Applying descriptive statistics functions to analyze data - Calculating measures of central tendency and dispersion -	1,2,3	4,5,7	R,U,Ap, An
5.Bivariate Analysis	CO5	Applying descriptive statistics functions to analyze data-Bivariate Analysis	1,2,3	4,5,7	R,U,Ap, An

	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	1	3	2	2	3	3	-	2
CO2	3	3	3	1	3	2	2	3	3	-	2
CO3	3	3	3	1	3	2	2	3	3	-	2
CO4	3	3	3	1	3	2	2	3	3	-	2
CO5	3	3	3	1	3	2	2	2	2	-	2
CO6											
Average	3	3	3	1	3	2	2	2.5	2.8		2
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (x60%<Achievement)						

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Semester 2(January-June)
INTERDISCIPLINARY COURSE

IDC ELEMENTARY ECONOMICS

Programme	B.Sc HONS Economics
Course Code	Course Name
IDC	ELEMENTARY ECONOMICS
Year and Semester	1ST YEAR 2ND Semester
Prerequisite Course	NIL
Course Objective	Basic understanding of Economics as a subject and interpret situation of the nation

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Understand the basic concepts of elementary Microeconomic like -Demand, Supply, Elasticity	1, 3	1, 2, 4	U, AP, AN, E
UNIT-1	CO2	Understand the concept of Theory of Production, Cost and Market mechanism	1, 3	1, 2, 4	U, AP, AN, E
UNIT-2	CO3	Develop the idea of NI, determination of NI, General Price level, Fiscal and Monetary policy, International Trade and Contemporary issues	1, 3	1, 2, 3, 4	U, AP, AN, E

UNIT-3	CO4	Concept of growth, development, sustainable development, HDI	1, 3	1, 2, 3, 4	U, AP, AN, E
UNIT-4	CO5	Understand the concept of Economic Reforms from the perspective of the Financial sector, Trade.	1, 3	1, 2, 4, 5	U, AP, AN, E
UNIT-4	CO6	Importance of Planning and it replacement by NITI Ayog	1 ,3	1, 2, 4,5	U, AP, AN, E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3		2		3	3		3			
CO2	3		2		3	3		3			
CO3	3		2		3	2	3	3			
CO4	3		2		3	2	3	3			
CO5	3		3		3	3		3			
CO6	3		3		3	3		3			
Average	3		2.3		3	2.3	3	3			
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 3(January-June)
DSCC3 Microeconomics (II)

Programme	B.Sc Major Economics
Course Code	Course Name

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Programme	B.Sc Major Economics
DSCC3	Microeconomics (II)
Year and Semester	2nd Year 3rd Semester
Prerequisite Course	NIL
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Decomposition of Price Effect into Substitution Effect and Income effect: Hicksian Method and Slutsky Method.	2,3	1,3	R,U.Ap, An,E
UNIT-1	CO2	Advance Theory Of Consumer Behaviour: Theory of Revealed Preference-Weak Axiom and Strong Axiom. Behaviour under Uncertainty.	2,3	1,3	R,U,Ap, An,E
UNIT-2	CO3	Theory of Short and Long Run Production and Cost. Different Types of Production functions: Cobb Douglas Production Function and CES Production Function.	2,3	1,3	R,U,Ap, An,E
UNIT-3	CO4	The features of a Perfectly Competitive market. Concepts of Short Run and Long equilibrium	2,3	1,3	R,U,Ap, An,E
UNIT-3	CO5	Short Run Supply Curve Industry Supply Curve.	2,3	1,3	R,U,Ap, An,E

		Effect of Taxes in case of Perfect Competition.			
UNIT-4	CO6	Exploitation in the Labour Market Bilateral Monopoly. Activities of Trade Union in presence of Exploitations..	2,3	1,3	

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	3	2	3	3	3	1	1	3	1	3
CO2	3	3	2	3	3	3	1	1	3	1	3
CO3	3	3	3	3	3	3	1	1	3	1	3
CO4	3	3	3	3	3	3	1	1	3	1	3
CO5	3	3	3	3	3	3	1	1	3	1	3
CO6	3	3	3	3	3	3	1	1	3	1	3
Average	3	3	2.66	3	3	3	1	1	3	1	3
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 3
DSCC4 Development Economics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC4	Development Economics (I)
Year and Semester	2nd Year 3rd Semester

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Programme	B.Sc Major Economics
Prerequisite Course	NIL
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Understand the basic concepts of growth, development, poverty, capability approach, income gap approach	1,3,4	1,2,3,4	U, AP, AN, E
UNIT-2	CO2	Understand the concepts and critical thinking related to poverty measures, wealth distribution, Lorenz curve, income inequality, gender development and multidimensional poverty	1,2,3,4	1,2,3,4, 5,6	U, AP, AN, E
UNIT-3	CO3	Examine the problems of Dual economy, namely surplus labour, unemployment, choice of techniques etc	1,2,3,4	1,2,3,4, 5,6	U, AP, AN, E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3		3		3	3		3			
CO2	3		3		3	3		3			
CO3	3		3		3	3	3	3			
CO4	3		3		3	3	3	3			
CO5	3		3		3	3	3	3			

CO6	3		3		3	3	3	3			
Average	3		3		3	3	3	3			
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 3
SEC3 Data Analysis and Research Methodology

Programme	B.Sc Major Economics
Course Code	Course Name
SEC3	Data Analysis and Research Methodology
Year and Semester	2nd YEAR 3rd Semester
Prerequisite Course	NIL
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Understand different methods of data collection including census,sampling and survey techniques.	1 2	1 5	U
UNIT-1	CO2	Apply sampling methods and survey techniques for collecting economic data	1,2	2,5	AP
UNIT-2	CO3	Record,tabulate and validate collected data using statistical tools.	1,2	5	AP
UNIT-3	CO4	Analyse data and interpret	1,2,3	2,4,5	AN

		results using appropriate analytical methods			
UNIT-4	CO5	Prepare research reports including literature review, methodology analysis and bibliography	1,3,4	4,5,6	C

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	2		1	2	1		2	3		
CO2	3	3		1	2	2		2	3		
CO3	2	3			1	2		2	3		
CO4	3	3	1		2	3	3	3			
CO5	2	2	2	1	1	2		2	3	1	1
Average	2.6	2.6	1.5	1	1.6	2	3	2.2	3	1	1
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 3
MN3 Microeconomics (I)
Semester- I (July to December)
Core Course –I:Introductory Microeconomics
Course Code: CC1(MAJOR)

Programme	B.Sc HONS Economics
Course Code	Course Name
CC1	MICROECONOMICS1
Year and Semester	3rd SEMESTER

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Prerequisite Course	None
Course Objective	To develop a detail understanding of basic Microeconomic theory and policies

SL.No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
Unit 1: Exploring the subject matter of Economics	CO1	Understanding Basic EconomicQuestion ,Different Concepts Of Economic Agents like Households-Firms,Different Concepts Of Production Function,Externality,Gains From Trade.	2,3	1,2,4	U,Ap,An, E
Unit 2: Utility Theory	CO2	Understanding Cardinal Utility Theory in light of Law of Diminishing Marginal Utility,concept of Equilibrium,Derivation of Marshallian Demand Curve from Marginal Utility Curve.	1,2,3	1,2,4	U,Ap,An, E
Unit 2: Utility Theory	CO3	Understanding Ordinal Utility Theory in light of Indifference Curve,Budget Line, Consumers Equilibrium and Comparative Static.	1,2,3	1,2,4	U,Ap,An, E
Unit 3: Demand and Supply: How Markets Work	CO4	Understanding concepts Of Demand and Supply,Law of Demand and Law of Supply,Determinants Of Demand andSupply,Exceptions to the Law of Demand And Supply,Different Applications To The Law of Demand.Equilibrium in	1,2,3	1,2,4	U,Ap,An, E

		Competitive Market. Application of Equilibrium in Competitive Market Considering Changes in Demand and Changes in Supply.			
Unit 4: Market and Adjustments	CO5	Understanding Price System and Invisible Hand,Different Types of Decision Takers, Different Types of Market and Difference among Markets,Different Types of Goods	1,2,3	1,2,4	U,Ap,An, E
Unit 5: Market Sensitivity and Elasticity	CO6	Understanding Different Types of Demand and Supply Elasticity and their Alternative Methods of Calculation,Concepts of Long Run and Short Run Elasticity and Different Case Studies.	1,2,3	1,2,4	U,Ap,An, E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1		3	1		2	3		3			
CO2	3	3	1		2	3		3			
CO3	3	3	1		3	3		3			
CO4	1	3	1		2	3		3			
CO5	3	3	1		3	3		3			
CO6	3	3	2		3	3		3			
Average	2.6	3	1.2		2.5	3		3			
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

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Semester 4
DSCC5 Mathematical Economics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC5	Mathematical Economics (I)
Year and Semester	2nd year or 4th semester
Prerequisite Course	Mathematics
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Theory of SET and Matrices	1, 2, 3	1, 2, 4	R, U, Ap, An, E
UNIT-1		Basics of Functions and Relations: Different types of Functions Limit and Continuity. Differentiability of functions L-Hospitals Rule Quasi-Concavity and Quasi -Convexity Applications in Economics.			
UNIT-2	CO2	Functions of Several Variables:Partial and Total Derivative,Homogeneous and Homothetic Fuctions.	1, 2, 3	1, 2, 4	R, U, Ap, An, E

		Level curves definition, slope and curvature Applications in economics Utility function Marginal Utility, Indi¤erence curves; Demand function various elasticities of demand; Production function Marginal Product, Isoquants and Output elasticity; Comparative Static Analysis			
UNIT-3	CO3	Concepts of Local and Global Maximum/Minimum, Maximum/Minimum on the Boundary and in the Interior Stationary/Extreme Points and Values Signi cance of First order and second order conditions of maximisation/ minimisation Applications in economics Profit maximization with respect to output for a competitive rm E¤ects of (a) lump-sum tax (b) speci c tax (c) ad valorem tax under perfect competition	1, 2, 3	1, 2, 4	R, U, Ap, An, E
UNIT-4	CO4	Optimisation of Several **Variable Functions Concepts of Unconstrained** Unconstrained optimisation of a Function of two variables- conditions for maximisation / minimization stationary point / extreme values, Hessian determinant and the concepts of positive definite and negative definite Application. **Constrained optimisation** Application of Kuhn-Tucker conditions Linear Programming Problem**.**	1, 2, 3	1, 2, 4	R, U, Ap, An, E

UNIT-4	CO4	**Formulation of an LPP,** Graphical solution, Basic feasible solution, Slack and surplus variables, Duality, Duality Theorem**s.**	1, 2, 4	1,2, 4	R,U,Ap, An, E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	3		3	3	2		1			
CO2	3	3		3	3	2		2			
CO3	3	3		3	3	2		2			
CO4	3	3		3	3	2		1			
Aver age	3	3		3	3	2		1.5			
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 4
DSCC6 MACROECONOMICS II

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC6	Macroeconomics (II)
Year and Semester	2ND YEAR 4th Semester
Prerequisite Course	DSCC2 (Macroeconomics 1)
Course Objective	To understand and analyse the implications of advanced macroeconomic theories and policies.

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SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Understanding the concepts related to the goods market and the money market, the IS–LM model, the crowding-out effect, and monetary and fiscal policies	1,2,3,4	1,2,3,4,5,6	U, AP, AN, E
UNIT-2	CO2	Understanding and critically analysing the derivation of the aggregate demand curve and the aggregate supply curve, and their implications for the equilibrium price level, wages, and unemployment	1,2,3,4	1,2,4,5,6	U, AP, AN, E
UNIT-3	CO3	A comparative analysis of the Keynesian and Classical approaches	1,2,3,4	1,2,3,4,5,6	U, AP, AN, E
UNIT-4	CO4	Understanding and critical analysis of the money supply, instruments of money supply, high-powered money, and government monetary policies.	1,2,3,4	1,2,3,4,5,6	U, AP, AN, E
UNIT-5	CO5	Concepts and understanding related to inflation, the Phillips curve, the sticky wage model, the sticky price model, and the misperception model.	1,2,3,4	1,2,4,5,6	U, AP, AN, E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	2	3		3	3	3	3	3	3	

CO2	3	3	3		3	3		3	3	3	
CO3	3	3	3		3	3	3	3	3	3	
CO4	3	2	3		3	3	3	3	3	3	
CO5	3	3	3		3	3		3	3	3	
Average	3	2.6	3		3	3	3	3	3	3	
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 4
DSCC7 Statistics for Economics

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC7	Statistics for Economics
Year and Semester	4th Semester
Prerequisite Course	Knowledge of basic concepts of statistics and mathematics,descriptive statistics
Course Objective	To make sense of data by collecting,organising,and interpreting it to find patterns ,test ideas and make informed decisions or predictions.

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
Elementary Probability Theory	CO1	Learn the concepts of sample spaces and events ,Classical and Axiomatic definitions of probability,Conditional	1,2,3	5	R,U,An

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		Probability and Independence of Events, Pairwise and Mutual independence Theorem of total probability, Theorem of compound probability, Bayes Theorem and their applications			
Probability Distributions	CO2	Develop the knowledge of theory of probability distributions,will be familiar with the concepts of random variable,probability distribution, probability mass function (pmf), probability density function (pdf), distribution function Expected values of random variables mean, variance, raw moment, central moment, moment generating function (mgf) Properties of commonly used discrete and continuous distributions:Binomial,Poisson ,Normal , Joint distribution of random variables ,conditional pmf/pdf independence of jointly distributed random variables	1,2,3	5	R,U,Ap, An
Sampling Theory and Distribution	CO3	Learn the concepts of Complete enumeration survey and sample survey, sampling and non-sampling errors, Population, sample, statistic, parameter, sample size, population size, random sampling, sampling distribution and standard error of a statistic Some Methods of Random Sampling: Simple random sampling (SRS) with replacement (WR) and without replacement (WOR),Stratified sampling Multi-stage sampling ,Some Basic Distributions Chi-square, Student s t and F	1,2,3	1,2,5	R,U,Ap, An

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		distributions de nitions, important properties .			
Statistical inference	CO4	Develop the knowledge on Estimation and Testing, Point Estimation and Interval Estimation ,Basic principles of Ordinary Least Square, Maximum Likelihood Method, Method of Moments MLEs of parameters of Binomial, Poisson and Normal distributions ,Testing of hypothesis Concepts of null hypothesis, alternative hypothesis, Type I and Type II errors, Power of a test, p-value ,Testing related to mean and SD of normal distribution Testing related to Population Proportion	1,2,3	1,4,5	R,U,Ap, An

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	3	2	-	1	1	-	1	3	-	1
CO2	3	3	2	-	1	1	-	1	3	-	1
CO3	3	3	2	-	1	1	-	1	3	-	1
CO4	3	3	2	-	1	1	-	1	3	-	1
Aver age	3	3	2		1	1		1	3		1
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

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Semester 4
DSCC8 Indian Economics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC8	Indian Economics (I)
Year and Semester	2nd year 4th semester
Prerequisite Course	NIL
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1 **Economic Development since Independence**	CO1	Growth and development under different policy regimes (from planning to market-based development) Objectives, achievements and failures of Planning Economic crisis during the late 1980s Economic Reforms Critical Analysis Structural changes in the post-reforms period Regional variation of growth and development	1	1,2,3,4,5	R,U,An
UNIT-2 **Population and Human development**	CO2	Demographic trends and issues Health: Basic problems and Government measures Education: Basic problems and Government measures, Right to Education (RTE) Act 2009	1,4	1,2,4	R, U, Ap
UNIT-3 **Growth Distribution**	CO3	Trends in GDP and per capita	1,2,3,4	1,2,3,6,7	R,U,An

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		GDP Poverty and Inequality Unemployment, Youth unemployment (School Transition to Work)			
UNIT-4 **Economic Reforms in India**	CO4	Industrial Sector Reform Financial Sector Reforms Fiscal Sector Reforms Trade & External Sector Reforms Labour market Reforms	1,2,3,4	1,2,4,6	R, U,Ap.An

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	2	1	2	2	3	3		2		2	
CO2	2		2	3	3	2		3		3	
CO3	2		2		3	3		3		2	
CO4	3		3	2	3	3	2	3		3	
Average	2.3		2.3	2	3	3	2	3		2.5	
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 4
MN4 Macroeconomics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
MN4	Macroeconomics (I)
Year and Semester	4th Semester
Prerequisite Course	NIL

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Programme	B.Sc Major Economics
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1 National Income Accounting	CO1	Gain knowledge about Basic concepts of National Income accounting, GNP, GDP, NNP, and NDP at market price and at factor cost, Personal Income, Personal Disposable Income and Personal Savings. Saving-Investment gap and its relation with budget deficit and trade surplus.	1, 2, 3	1,2, 4,5	R,U, Ap, An
UNIT-2 Income Determination in the Short Run	CO2	Learn about Consumption Function, the Keynesian Saving Function, Equilibrium Income determination in SKM	1, 2, 3	1, 2, 4, 5	R, U, Ap, An
UNIT-3 Basic theory of Investment	CO3	Learn about Investment function,Marginal efficiency of capital (MEC) and Marginal efficiency of investment (MEI).	1, 2, 3	1, 2, 4, 5	R, U, Ap, An
UNIT-4 The Classical system	CO4	Learn about Basic ideas of Classical Macroeconomics; Say ‘s Law and Quantity Theory of Money	1,2, 3	1, 2, 4, 5	R, U, Ap, An
UNIT-5 Ináation	CO5	Learn about Inflationary Gap, Demand pull vs. Cost push inflation, Anti-inflationary policy.	1,2,3	1,2,3,4, 5	Ap, An, R, U

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	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	2	2	1	3	3	2	2	1	1	
CO2	3	2	2	1	3	2	1	1	1	1	
CO3	3	2	2	1	3	3		2		1	
CO4	3	2	1		3	3		3	2	1	
CO5	3	2	1		3	3		3	2	1	
Average	3	2	1.6	1	3	2.8	1.5	2.1	1.5	1	
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 5
DSCC9 Microeconomics (III)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC9	Microeconomics (III)
Year and Semester	3rd year 5th semester
Prerequisite Course	DSCC1
Course Objective	To understand advanced microeconomics problems in the realm of public and private sphere.

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level

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UNIT-1 **Imperfect Market Structure 20 lecture hours Monopoly and barriers to entry**	CO1	Output determination and price rule, measure and sources of monopoly power, social costs of monopoly power-Deadweight loss Pricing with market power- Örst, second- and third-degree price discrimination, intertemporal price discrimination-peak-load pricing and two-part tariff multiplant monopoly Monopolistic competition- short run and long run equilibrium, excess capacity Oligopoly- Oligopoly equilibrium as Nash equilibrium, Cournot, Bertrand and Stackelberg Model-use of isoproÖt curves and simple game theoretic interpretation. Sweezyës kinked demand curve model and non-collusive equilibrium. Competition versus collusion- the PrisonersëDilemma. Collusive Oligopoly ñCartels and Price Leadership	1, 2, 3,	1, 2, 3, 4, 6	R, U, Ap,
UNIT-2 Input market under Imperfect Competition	CO2	Monopsony, bilateral monopoly in labour marketó Monopolistic and monopsonistic exploitation	1, 2, 3	1, 2, 3, 5,6	R, U, Ap, An
UNIT-3 General Equilibrium, E¢ ciency and Welfare	CO3	General Equilibrium and Economic E¢ ciency- Exchange, production and welfare, Pareto Optimality, Edgeworth box and contract curve, Pareto e¢ ciency and perfect competition Reasons for Market failure, Pareto ciency and market failure (externalities and public goods), property right	1,2, 3	1, 2, 4, 5, 6	R, U, Ap, An

		and Coase Theorem Markets with asymmetric information-adverse selection, moral hazards, agency problems (concepts only)			

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	2	3	1	3	3		3	1	1	
CO2	3	1	3	1	3	3		2	2	1	
CO3	3	1	2	1	3	3		3		1	
Average	3	1.8	2.6	1	3	3		2.6	1.5	1	
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 5
DSCC10 Macroeconomics (III)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC10	Macroeconomics (III)
Year and Semester	3rd YEAR 5th Semester
Prerequisite Course	DSCC6
Course Objective	

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SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1 Basic Tenets of New Classical and New Keynesian Theories	CO1	New Classical Theory-The concept of rational expectations and the theory of real business cycle-introductory ideas New Keynesian Theory- nominal rigidities and real rigidities, rigidities in interest rates and credit rationing-introductory ideas	1, 2, 4	1, 2, 4, 5	R, An, U, Ap, E
UNIT-2 Macroeconomic Foundations	CO2	Consumption: Keynesian consumption function; Fisher s theory of optimal inter-temporal choice; life-cycle and permanent income hypotheses; Dusenberry s relative income hypothesis; Demand for money: Regressive Expectations and Tobin s portfolio choice models; Baumol s inventory theoretic money demand.	1, 2, 4	1, 2, 4, 5	R, An, U, Ap, E
UNIT-3 Harrod and Domar models of economic growth. Solow one sector growth model-steady state-golden rule--dynamic e¢ ciency. Technological progress Elements of endogenous growth theory-basic ideas-the AK model	CO3	Harrod and Domar models of economic growth. Solow one sector growth model-steady state-golden rule--dynamic e¢ ciency. Technological progress Elements of endogenous growth theory-basic ideas-the AK model	1, 2, 4	1, 2, 4, 5	R, An, U, Ap, E

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	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	1		3	3	3		3	3		
CO2	3	1		3	2	3		3	2		
CO3	3	2		3	3	3		3	2		
Average	2	1.3		3	2.5	3		3	2.3		
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 5
DSCC11 Mathematical Economics (II)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC11	Mathematical Economics (II)
Year and Semester	3rd YEAR 5th Semester
Prerequisite Course	Mathematical Economics1
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1 Game Theory	CO1	Concept of a game Pure Strategy and Mixed Strategy, Constant-sum and Non-constantsum game Constant-sum game as a zero-sum game	1, 2, 3, 4	1, 2, 3, 4, 5	R, U, Ap, An, E

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		Static Games Pure Strategy Solution Methods, viz., Maximin Minimax technique, Dominant strategy equilibrium, Iterated dominant strategy equilibrium, Nash equilibrium and Mixed Strategy Solution Method Some Common Games Prisoners Dilemma, Battle of Sexes, Matching Pennies Dynamic Games Method of Backward Induction (Basic concept)			
UNIT-2 Integration of Functions	CO2	Integration of functions Integration by Substitution and Integration by parts Applications in Economics Total functions from marginal functions, Present Value	1, 2, 3, 4	1, 2, 3, 4, 5	R, U, Ap, An, E
UNIT-3 Difference Equation	CO3	First order linear di¤erence equations and their solutions Second order linear di¤erence equations and their solutions Non-linear Di¤erence Equations Qualitative-Graphic Approach 10 Lecture hours Applications in Economics Cobweb model, A model with lagged adjustment, Samuelson s multiplier-accelerator model	1, 2, 3, 4	1, 2, 3, 4, 5	R, U, Ap, An, E
UNIT-4 Differential equation	CO4	First order linear di¤erential equations and their solutions Second order linear di¤erential equations and their solutions Solution of linear system of Di¤erential Equations (i) via	1, 2, 3, 4	1, 2, 3, 4, 5	R, U, Ap, An, E

		Eigen values(ii) by substitution Fixed Point and stability Qualitative-Graphic Approach One-variable and Two-variable Phase Diagrams Linearization of a Non-linear Di¤erential-Equation System and Stability Analysis Applications in microeconomics and macroeconomics Price dynamics in a single market, Multi-market equilibrium and stability, A model with in ation-unemployment interaction, Solow model, ISLM model			

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	3	2	1	3	3	2	3	3		
CO2	3	3	2	1	3	2	2	3	2		
CO3	3	3	2	1	3	2	2	3	2		
CO4	3	3	2	1	2	3	2	3	2		
Aver age	3	3	2	1	3	2.5	2.5	3	2.25		
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 5
DSCC12 Econometrics (I)

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Programme	B.Sc Major Economics
Course Code	Course Name
DSCC12	Econometrics (I)
Year and Semester	3rd YEAR 5th Semester
Prerequisite Course	Knowledge of concepts of statistical ,mathematical tools and techniques and their application
Course Objective	To learn to test economic theories quantify relationships between variables,forecast future trends and inform policy decisions by applying statistical methods to real world economic data

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
Nature and Scope of Econometrics	CO1	Know the distinction between economic Model and Econometric model,Concept of stochastic relation, Role of random disturbance in econometric model. Application of Econometrics in different branches of social science.	1,2,3	1,2,4,5	R,U,Ap, An
Classical Linear Regression Model	CO2	Develop the knowledge on The classical assumptions , Concepts of population regression function and sample regression function, SLRM and MLRM. Estimation of SLRM and MLRM by method of ordinary least squares. Properties of the Least Squares Estimators in SLRM- Gauss-Markov	1,2,3	1,2,4,5	R,U,Ap, An

		theorem. Testing of hypotheses in SLRM and MLRM Single Test and Joint Test Goodness of t (in terms of R2, adjusted R2 and F statistic), Analysis of Variance (ANOVA). Economic Interpretation of Regression results Statistical significance and economic importance. Simple correlation, partial correlation and multiple correlation .			
Qualitative (Dummy) Independent Variables	CO3	Grasp the concepts of Intercept dummy and Slope dummy ,Forecasting- Ex-post forecast and Ex-ante forecast, forecast error .	1,2,3	1,2,4,5	R,U,Ap, An
Violations of Classical Assumptions	CO4	Understand the problems of Multicollinearity- Consequences, Detection and Remedies. Heteroscedasticity- Consequences, Detection and Remedies. Autocorrelation- Consequences, Detection and Remedies.	1,2,3	1,2,4,5	R,U,Ap, An

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	3	3	.	3	2	.	2	3	.	1
CO2	3	3	3	.	3	2	.	2	3	.	1
CO3	3	3	3	.	3	2	.	2	3	.	1
CO4	3	3	3	.	3	2	.	2	3	.	1
Aver age	3	3	3		3	2		2	3		1

Correlation level		1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)

Semester 5
MN5 Development Economics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
MN5	Development Economics (I)
Year and Semester	3rd year 5th semester
Prerequisite Course	NIL
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Understand the basic concepts of growth, development, poverty, capability approach, income gap approach	1,3,4	1,2,3,4	U, AP, AN, E
UNIT-2	CO2	Understand the concepts and critical thinking related to poverty measures, wealth distribution, Lorenz curve, income inequality, gender development and multidimensional poverty	1,2,3,4	1,2,3,4, 5,6	U, AP, AN, E
UNIT-3	CO3	Examine the problems of Dual economy, namely surplus labour, unemployment, choice of techniques etc	1,2,3,4	1,2,3,4, 5,6	U, AP, AN, E

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	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3		3		3	3		3			
CO2	3		3		3	3		3			
CO3	3		3		3	3	3	3			
CO4	3		3		3	3	3	3			
CO5	3		3		3	3	3	3			
CO6	3		3		3	3	3	3			
Average	3		3		3	3	3	3			
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 6
DSCC13 International Economics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC13	International Economics (I)
Year and Semester	3rd YEAR 6th Semester
Prerequisite Course	NIL
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level

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UNIT-1 Absolute and Comparative Advantages of Trade	CO1	Gain an idea about theories of absolute and comparative advantage of trade, PPF and Gains from trade.	1, 2, 4	1, 2, 4, 5	R, U, An, Ap, E
UNIT-2 The Building Blocks of Trade Theory	CO2	Gain knowledge about trade indifference curve, offer curves ,elasticity of offer curves.	1, 2, 4	1, 2, 3, 4, 5	R, U, An, Ap, E
UNIT-3 Factor Endowment and Trade (Heckscher-Ohlin-Samuelson Model)	CO3	Learn about Heckscher-Ohlin (HO)theorem,Factor Intensity Reversal in the context of price and physical definitions and invalidity of HO Theorem,Stolper-Samuelson Theorem,Rybczynski theorem,Leontief Paradox.	1, 2, 4	1, 2, 3 4, 5	R, U, An, Ap, E
UNIT-4 Trade Policy	CO4	Learn about Partial and General Equilibrium Analysis of Tariff.	1, 2, 4	1, 2, 3, 4, 5	R, U, An, Ap, E
UNIT-5 Balance of Payments	CO5	Learn about Balance of Payments accounts. Autonomous and accommodating transactions. Basic concepts of Fixed and Flexible exchange rate	1, 2, 4	1, 2, 3, 4, 5	R, U, An, Ap, E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	2		2	3	3	3	3	2		
CO2	3	2		2	3	3	3	3	1		
CO3	3	2		2	3	3	3	3	1		
CO4	3	2		2	3	3	3	3	2		

CO5	3	2		2	3	3	3	3	2		
Average	3	2		2	3	3	3	3	2.5		
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 6
DSCC14 Environmental & Resource Economics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC14	Environmental & Resource Economics (I)
Year and Semester	3rd YEAR 6th Semester
Prerequisite Course	Knowledge of micro and macroeconomic theories,concepts of international trade,mathematical economics,econometrics
Course Objective	To understand the interaction between the economy and the environment,to be equipped to design policies and strategies taht balance economic growth with environmental sustainability

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
Environment, Ecology, and Economy	CO1	Understand the concepts of environmental economics, Interlinkages between the Economy and Environment, Circular Economy ,Elements of Environmental Degradation	1,2,3,4	1,2,4	R,U,An
Efficiency	CO2	Develop the knowledge of	1,2,3,4	1,2,4	R,U,An

and Market Failure		Externalities, Public Goods/ Bads, and Market Failure Property Rights and the Coase Theorem			
Environmental Regulations and the Economics of Environmental Policies	CO3	Learn the History- The Design Monitoring and Enforcement of Pigouvian Fees, Single Polluter, Multiple Polluters, Fees vs Subsidies Regulating Pollution: Command and Control, Economic Incentives Tradable Pollution Permits	1,2,3,4	1,2,3,4	R,U,An, Ap
Measuring the values of Environmental Costs and Bene ts	CO4	Grasp the concept of Total Economic Value: User Value & Non-User Value, hours Actual Market based Valuation, Future Use Value, Bequest Value, Vicarious Value Objective Standard based Valuation Subjective Preference based Valuation- Revealed Preference based Valuation: Travel Cost Method (TCM) & Hedonic Price Theory (HPT) Stated Preference Method- Constructed Market: Contingent Valuation Method (CVM)	1,2,3,4	1,2,4,5	R,U,An, Ap

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	3	2	1	3	2	1	3	1	-	-

CO2	3	3	2	1	3	2	3	3	1	-	-
CO3	3	3	2	1	3	2	3	3	1	–	-
CO4	3	3	2	1	3	2	1	3	3	-	-
Average	3	3	2	1	3	2	2	3	1.5		
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 6
DSCC15 Public Economics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
DSCC15	Public Economics (I)
Year and Semester	3rd YEAR 6th Semester
Prerequisite Course	NIL
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Understanding the role of government in a market economy,types of goods and externalities	1,2	1,4	U
UNIT-1	CO2	Explain public goods, market failure,optimal provision of public goods,Samuelson model, and Lindhal	1,2	1,4	AN

		equilibrium			
UNIT-2	CO3	Analyse taxation: classification of taxes, canons of taxation, principles of taxation, tax incidence and laffer curve	1,2	2,4	U
UNIT-3	CO4	Evaluate effects of taxation on work effort, savings and compare direct and indirect taxes including optimal taxation.	1,2,3	2,4,5	AN
UNIT-4	CO5	Understanding public expenditure, public debt, fiscal deficit, Ricardian equivalence and fiscal federalism.	1,3,4	3,4,5	E

	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	2		1	3	1		2			
CO2	3	2		1	3	2		2			
CO3	3	2			2	3		2	2		
CO4	3	2			2	3		2	2		
CO5	3	1	2		2	3		2	2		
Average	3	1.8	2	1	2.4	2.4		2	2		
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						

Semester 6

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MN6 Indian Economics (I)

Programme	B.Sc Major Economics
Course Code	Course Name
MN6	Indian Economics (I)
Year and Semester	3rd year 6th semester
Prerequisite Course	NIL
Course Objective	

SL No	Course Outcome	On completing the course, the student will be able to:	PO Addressed	PSO Addressed	Cognitive level
UNIT-1	CO1	Explain the process of economic development in India since independence including planning,reformsand structural changes.	1,2	1,6	U
UNIT-1	CO2	Analyse demographic trends, health and educational issues and evaluate govt. measures like RTE.	1,2	2,4	An
UNIT-2	CO3	Examine trends in GDP, POVERTY, inequality,and unemployment in India	1,2,3	2,4	An
UNIT-3	CO4	Evaluate growth and distribution policies and theie impact on economic policies.	1,2,3	2,4,5	E
UNIT-4	CO5	Analyse economic reforms in India(industrial, financial, fiscal trade, and labour reforfms)	1,3,4	3,4,5	An

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	PO1	PO2	PO3	PO4	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6	PSO 7
CO1	3	2		1	3			1		3	
CO2	3	2			1	3		3	1		
CO3	3	3	2		1	3		3	2		
CO4	3	3	2		1	3		3	3		
CO5	3	2	2	1	1	2	3				
Average	3	2.4	2	1	1.4	2.75	3	2.5	2	3	
Correlation level					1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement)						