



Program B.Sc Economics(HONS)

Programme Objective

| SI 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

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



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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

| | |
|---------------------|---------------------------------------|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC1 | Introductory Microeconomics |
| Year and Semester | 1st year 1st semester |
| Prerequisite Course | Nil |
| Course Objective | Basic Idea about Microeconomic Theory |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|---|----------------|--|--------------|---------------|-----------------|
| Unit 1.1 Exploring the subject matter of economics | CO1 | Learn the concept of scarcity, want. Economics as positive and normative concept | 1,2,3,4 | 1,4 | U, AP |
| Unit 1.2 | CO2 | Concept of trade off, opportunity cost, Market economy, Property rights, Sources of Market failure, Externality. | 1,2,3,4 | 1, 3,4,6 | U,AP,AN, E |
| Unit 1.3 | CO3 | Gains from trade, Production possibility frontier, Absolute and Comparative advantage | 1,2,3,4 | 1, 3,4,6 | U, AP, E |



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|--|-----|--|---------|-------------|-------------|
| Unit 2 Demand and Supply: How market works | CO4 | Elementary concepts of Demand and Supply. Reasons for movement and shift of the concerned curves. Determination of market equilibrium and adjustments there in. The issue of Marshallian and Walrasian stability. | 1,2,3,4 | 1,4,5 | U,AP, AN, E |
| Unit 3 Market and adjustment | CO5 | Concept of market, price system, invisible hand. Role of household, firm and central authority. Different types of market. Different concepts of goods- public, private, club, mixed based on the characteristics like-excludability, rivalry. | 1,2,3,4 | 1,2,4, 6 | U,AP, AN, E |
| Unit 4 Market sensitivity and elasticity | CO6 | Concept, importance and classification of different elasticities. Measurement of elasticity. Application based on the concept of elasticity. | 1,2,3,4 | 1,2,4, 5, 6 | U,AP, AN, E |
| Unit 5 Govt Intervention | CO7 | Government intervention in the form of price rationing, minimum wage law, rent control. Applications based on the concept of Price ceiling and price floor. | | 1,2,4, 5, 6 | U,AP, AN, E |
| Unit 6.1 Unit 6.2 Utilitarian Approach | CO8 | Acquiring the knowledge on Utilitarian approach. Concept of cardinal and ordinal utility. concept of total utility, marginal utility, choice maximisation and explanation of downward sloping demand curve. | 1,2,3,4 | 1, 4,5 | U,AP |
| Unit 6.3 Utilitarian | CO9 | Assumptions of ordinal utility theory and preference | 1,2,3,4 | 1,2,4,5 | U,AP, AN, E |



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|----------------------------------|------|---|---------|---------|-------------|
| Approach | | ordering. Concept of indifference curves. Marginal rate of substitution, budget constraint, consumers' equilibrium-interior and corner, Derivation of Demand Curves from ICs, composite good convention. Application: Cash subsidy versus subsidy in kind | | | |
| Unit 6.4 Utilitarian Approach | CO10 | Price consumption curve, Income consumption curve and Engel curve. Price effect - Income and Substitution effect (Hicks and Slutsky), inferior goods and Giffen goods, Marshallian and compensated demand curves | 1,2,3,4 | 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 | 1 | 3 | 3 | | | 3 | | | |
| CO2 | 3 | 3 | 1 | 3 | 3 | | 2 | 3 | | 1 | |
| CO3 | 3 | 3 | 1 | 2 | 3 | | 2 | 2 | | 2 | |
| CO4 | 3 | 2 | 1 | 2 | 3 | | 2 | 2 | | 2 | |
| CO5 | 3 | 2 | 1 | 2 | 3 | | 2 | 2 | | 2 | |
| CO6 | 3 | 3 | 1 | 1 | 3 | | 3 | 2 | | 1 | |
| CO7 | 3 | 3 | 1 | 2 | 3 | 2 | | 3 | 2 | 2 | |
| CO8 | 3 | 2 | 1 | 1 | 3 | | | 3 | 3 | | |
| CO9 | 3 | 2 | 1 | 1 | 3 | 3 | | 3 | 2 | | |
| CO10 | 3 | 2 | 1 | 1 | 3 | 3 | | 3 | 2 | | |
| Average | 3 | 2.4 | 1 | 1.8 | 3 | .8 | 1.1 | 2.6 | .9 | 1 | |



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

Core Course –II:Mathematical Methods for Economics-I
Course Code: CC2

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC2 | Mathematical Methods for Economics I |
| Year and Semester | 1st year 1st semester |
| Prerequisite Course | Basic class 12 Mathematics |
| Course Objective | To equip students with basic mathematical methods and tools to be applied in analysing economic theory and solving numerical problems |

| SL.No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|--|----------------|--|--------------|---------------|-----------------|
| Unit 1 Functions of several variable | CO1 | Understand and solve problems related to functions and set, and related concepts | 1,3 | 1, 2, 4, 5, | U, Ap |
| Unit 2 Functions of one real variable | CO2 | Solve related to single variable using first order and second order condition | 1, 3 | 1,2,4,5. | U, Ap |
| Unit 3 Multivariable optimization | CO3 | Single variable optimization and application in Economics | 1,3 | 1,2,4,5 | U, Ap, An |



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|--|-----|--|-----|---------|-----------|
| ation | | | | | |
| Unit 4 Integrat ion of functio n | CO4 | Integration and use in Economics to obtain total value from marginal value | 1,3 | 1, 2, 5 | U, Ap |
| Unit 5 Matrix Algebra | CO5 | Matrix algebra and use of that in Cramers rule, jacobian matrix and LSOM model | 1,3 | 1, 2,5 | U, Ap |
| Unit 6 Game theory | CO6 | Understand Game theory and determined Nash equilibrium in some classic games | 1,3 | 1,2,5 | U, Ap, An |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|----------|----------|----------|----------|----------|----------|
| CO1 | 3 | 3 | 1 | 3 | 1 | 1 | | 1 | 3 | | |
| CO2 | 3 | 3 | 1 | 3 | 1 | 2 | | 2 | 3 | | |
| CO3 | 3 | 3 | 1 | 3 | 2 | 3 | | 2 | 3 | | |
| CO4 | 3 | 3 | 1 | 3 | 2 | 3 | | 2 | 3 | | |
| CO5 | 3 | 3 | 1 | 3 | 2 | 2 | | 2 | 3 | | |
| CO6 | 3 | 3 | 1 | 3 | 1 | 2 | | 3 | 3 | | |
| Aver age | 3 | 3 | 1 | 3 | 1.6 | 2.1 | | 2.1 | | | |
| 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 -III Introductory Macroeconomics

Course Code: CC3

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| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC3 | Introductory Macroeconomics |
| Year and Semester | 1st year, 2nd Semester |
| Prerequisite Course | NIL |
| Course Objective | Basic idea about Macroeconomic Theory |

| SL.No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|---|----------------|--|--------------|---------------|-----------------|
| Unit1: National Income Accounting | CO1 | Understand the basic ideas of National Income Accounting including problem solving techniques | 1,2,3,4 | 1,2,4 | U, R, Ap |
| Unit2: Income Determination in the Short Run | CO2 | Income determination through Keynesian Approach in the short run as well as how multiplier processes works in the economy. | 1,2,3,4 | 1,2,4 | U,An,R |
| Unit3: The Classical System | CO3 | 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 |
| Unit4.1: Macroec onomic | CO4 | Walras's Law and the concept of Keynesian liquidity preference | 1,2,3,4 | 1,2,4 | U,Ap,R |



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|-------------------------------------|-----|---|---------|-------|--------|
| Foundations-1 | | | | | |
| Unit4.2: Macroeconomic Foundations1 | CO5 | Concepts of MEC and MEI, Jorgenson's neo-classical theory, and Samuelson's Multiplier-accelerator model | 1,2,3,4 | 1,2,4 | U,An,R |

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

Core Course -IV Mathematical Methods for Economics-II

Course Code: CC4

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|---------------------|--|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC4 | Mathematical Methods for Economics- II |
| Year and Semester | 1st year 2nd Semester |
| Prerequisite Course | Mathematical Methods for Economics- I |



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| Course Objective | To enable students with advanced mathematical methods and tools to analyse applied economic issues. |
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| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|--|----------------|--|--------------|---------------|---------------------|
| Unit1: Functions of several variables | CO1 | Do partial differentiation and use hessian matrix for optimization | 1,2,3,4 | 1,2,4,5 | U , Ap, An, E |
| Unit 2.1 : Multivariable optimization - linear constrained optimization | CO2 | Solve optimization problems using Lagrangian function | 1,2,3,4 | 1,2,4,5,7 | U , Ap, An, E |
| Unit 2.2 : Multivariable optimization - constrained optimization with inequality | CO3 | Handle inequality constraint using Kuhn tucker condition | 1,2,3,4 | 1,2,4,5 | U , Ap, An, E |
| Unit 2.3 : Multivariable optimization- linear programming | CO4 | Optimize linear equation using linear programming and dual problem | 1,2,3,4 | 1,2,4,5,7 | U , Ap, An, E |
| Unit 3: Difference Equation | CO5 | Solve first order and second order difference equation and interpret economics use | 1,2,3,4 | 1,2,,4,5 | U , Ap, An, E |
| Unit 4: Differential Equation | CO6 | Solve first order and second order differential equation and economic application | 1,2,3,4 | 1,2,3,4,5 | U , Ap, An, E |

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|--|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| | PO1 | PO2 | PO3 | P04 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
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|-------------------|---|---|---|---|--|-----|----|-----|---|---|--|
| CO1 | 3 | 3 | 1 | 1 | 2 | 3 | | 3 | 3 | 3 | |
| CO2 | 3 | 3 | 1 | 1 | 3 | 3 | | 3 | 3 | | |
| CO3 | 3 | 3 | 1 | 1 | 3 | 1 | | 1 | 3 | | |
| CO4 | 3 | 3 | 1 | 1 | 2 | 3 | | 3 | 3 | 3 | |
| CO5 | 3 | 3 | 1 | 1 | 2 | 2 | | 3 | 3 | | |
| CO6 | 3 | 3 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | | |
| Average | 3 | 3 | 1 | 1 | 2.3 | 2.3 | .3 | 2.6 | | | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |

Semester –III (July to December)

Core Course -V Intermediate Microeconomics-I

Course Code: CC5

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|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC5 | Intermediate Microeconomics 1 |
| Year and Semester | 2nd year 3rd semester |
| Prerequisite Course | Introductory Microeconomics |
| Course Objective | To understand the workings of microeconomic models and policies in detail |

| SL No | Course outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|---------------------------|----------------|---|--------------|---------------|-----------------|
| Unit 1: Theory of Consume | CO1 | Understand the concept of intertemporal choice and revealed preference. Decide how to make choice under uncertainty | 1,2,3,4 | 1,2,4,5 | R, U , An E |



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|---|-----|---|---------|---------|--------------|
| Behaviour and Application | | | | | |
| Unit 2.1 : Productions | CO2 | How production decision regarding input choice and out level is made under short-run and long-run | 1,2,3,4 | 1,2,4,5 | R, U |
| Unit 2.2 : Costs | CO3 | Understand and establish relation amongst total, average and marginal values. Construct cost curves under short run and long run production | 1,2,3,4 | 1,2,4,5 | R, U, An |
| Unit 3: The firm and the Perfect market structure | CO4 | Understand the concept of market and how perfectly competitive market operates | 1,2,3,4 | 1,2,4,5 | R, U, An |
| Unit 4.1 Input market and perfect competition | CO5 | Understand theory of marginal productivity theory | 1,2,3,4 | 1,2,4,5 | R, U, An |
| Unit 4.2 Input market and perfect competition | CO6 | Understand labour market | 1,2,3,4 | 1,2,4,5 | R, U, An, Ev |

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



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|-------------------|-----|-----|---|---|--|-----|--|----|-----|----|--|
| CO4 | 3 | 3 | 1 | 1 | 3 | 3 | | 2 | 1 | | |
| CO5 | 3 | 3 | 1 | 1 | 3 | 3 | | | | | |
| CO6 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 2 | |
| Average | 2.6 | 2.6 | 1 | 1 | 2.6 | 2.6 | | .8 | 1.3 | .3 | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |

Core Course -VI Intermediate Macroeconomics-I
Course Code: CC6

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|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC6 | Intermediate Macroeconomics-I |
| Year and Semester | 2nd Year, 3rd Semester |
| Prerequisite Course | Introductory Macroeconomics |
| Course Objective | Understanding the classroom tools for analysing the impact of different macroeconomic policies. |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|-------------------------------------|----------------|---|--------------|---------------|-----------------|
| Unit 1- Income Determination in the | CO1 | Understand the role of IS-LM framework as a classroom tool to analyse | 1,2,3,4 | 1, 2, 4, 5,6 | U, Ap, An, E |



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|---|-----|--|---------|-----------------|--------------|
| Short-run (Part-II) : The IS-LM Model1 | | the impacts of different government policies. | | | |
| Unit 2- Aggregate Demand and Aggregate Supply- the Complete Keynesian Model | CO2 | Role of labour market along with goods and money market in Complete Keynesian model. | 1,2,3,4 | 1, 2, 4, 5,6 | U, Ap, An, E |
| Unit 3- Keynes vs. Classics | CO3 | Comparison between Keynesian and Classical concepts | 1,2,3,4 | 1, 2, 4, 5,6 | U, Ap, An, E |
| Unit 4- Money Supply, Monetary Policy and Government Budgetary Operations | CO4 | Understanding the concept of money supply and its constituents. Balance sheet view of money supply. Different multipliers and their relevance in the context of high powered money and money supply. Interest sensitivity of money supply. | 1,2,3,4 | 1, 2, 4, 5, 6 | U, Ap, An, E |
| Unit 5 Inflation, Unemployment and Expectations | CO5 | Concept of inflation, role of wage price spiral in sustaining inflation. Causes of inflation. | 1,2,3,4 | 1, 2, 4, 5, 6 | U, Ap, An, E |
| Unit 5.1 | CO6 | Inflation unemployment trade off , Phillips curve, long run and short run. | 1,2,3,4 | 1, 2, 4, 5, 6,7 | U, Ap, An, E |
| Unit 5.2 | CO7 | Explanation of short run upward sloping aggregate supply curve and long run vertical supply curve. Role of adaptive and rational expectation. Concepts of sacrifice ratio and policy ineffectiveness. | 1,2,3,4 | 1, 2, 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 | 2 | 3 | 3 | 3 | | 2 | 1 | 1 | |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | | | |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | 1 | 1 | |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | | 3 | 2 | 1 | |
| CO5 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | 2 | 1 | |
| CO6 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | 3 | 3 | |
| Average | 3 | 3 | 3 | 3 | 3 | 3 | | 3 | 1.8 | 1.6 | |
| Correlation level | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | | |

Economics Core Course –VII: Statistics for Economics
Course Code: CC7

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|---------------------|--|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC7 | STATISTICS FOR ECONOMICS |
| Year and Semester | 2ND YEAR 3RD SEMESTER |
| Prerequisite Course | NIL |
| Course Objective | Learn and apply the tools and techniques of 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 |
|-------|----------------|--|--------------|---------------|-----------------|
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|---|-----|---|---------|---|----------|
| 1. Introduction and Overview | CO1 | Use various statistical data analysis tools that can be used for effective decision making. | 1,2,3,4 | 5 | U,Ap |
| 2. Descriptive Statistics | CO2 | Present the data through graphical and tabular methods, learn and use the various descriptive statistics tools and techniques. | 1,2,3,4 | 5 | Ap,An |
| 3. Elementary Probability Theory 10 lecture hours | CO3 | Understand and use the concepts of probability, discrete and continuous Probability distribution to solve analytical problems. | 1,2,3,4 | 5 | U,An |
| 4. Probability Distributions 18 lecture hours | CO4 | Apply the different sampling methods for designing and selecting a sample from a population. | 1,2,3,4 | 5 | Ap,An, U |
| 5. Sampling 14 lecture hours | CO5 | Learn Point estimation- properties of a good estimator, Basic principles of Ordinary Least Square , Maximum Likelihood Method , Method of Moments. Interval estimation. | 1,2,3,4 | 5 | Ap,An |
| 6. Statistical inference | CO6 | Learn the concept and perform test of | 1,2,3,4 | 5 | U,Ap,An |



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| | | hypothesis ,apply test results on larger scale to population in general. | | | |
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| | PO1 | PO2 | PO3 | PO4 | PS O1 | PSO2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|------|-------|-------|-------|-------|-------|
| CO1 | 3 | 2 | 2 | 3 | 2 | 2 | 1 | 2 | 3 | - | 2 |
| CO2 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | - | 2 |
| CO3 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | - | 2 |
| CO4 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | - | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | - | 2 |
| CO6 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | - | 2 |
| Average | 3 | 2.8 | 2.8 | 3 | 2 | 2 | 1 | 2 | 3 | - | 2 |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |

Skill Enhancement Course-I: Data analysis
Course Code: SEC A1

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|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| SEC A1 | Data analysis |
| Year and Semester | 2nd Year, 3rd Semester |
| Prerequisite Course | Basic class 12 Statistics |
| Course Objective | Students will acquire knowledge about different sources of data both national and international. Also will be able to |



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| Programme | B.Sc HONS Economics |
| | understand the implication and application of those in the context of theories and models of economics. |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|--------|----------------|--|--------------|---------------|-----------------|
| Unit 1 | CO1 | Know different sources of secondary data, their collection. Knowing census and sampling methods. Representation of data Concept of software and its use in handling data. | 1,2,3,4 | 1,2,5 | R, An, E |
| Unit 2 | CO2 | Concept of National Account Statistics, Industrial Statistics, NSSO, PLFS, Hand Books of Statistics on Indian Economy | 1,2,3,4 | 1,2, 5 | U, An, E |

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

Skill Enhancement Course-I: Rural Development
Course Code: SEC A2



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| Programme | B.Sc HONS Economics |
| SEC-A2 | Rural Development |
| Year and Semester | 2nd year, 3rd semester |
| Prerequisite Course | |
| Course Objective | Students will acquire knowledge about rural development and different government policies about rural development. |

| SL No | CO | On completing the course, the student will be able to: | PSO Addressed | Cognitive level |
|--|-----|--|---------------|-----------------|
| Unit-1; Aspects of Rural Development | CO1 | The basic ideas about the role of the agricultural sector, non-farm and NGOs in rural development | 1,2,4,6,7 | U, E |
| Unit-2 Panchayats and Rural Development | CO2 | This unit analysed the planning and working process of a three-tier panchayat system in rural development | 1,2,4,6,7 | U, E |
| Unit-3 Rural Credit and Self Help Groups(SHGs) | CO3 | This unit briefly explains the role of micro-credit and SHGs in rural development | 1,2,4,6, | U, An, E |
| Unit-4 Critical Evaluation of Selected Government Programmes and Rural Development | CO4 | This unit analysed the different type's government policies and their relevance in the context of rural development in the country | 1,2,4,6 | U. 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 | 2 | 2 | 3 | 2 | 3 | 2 | | 3 | | 3 | 1 |
| CO2 | 2 | 1 | 1 | 3 | 3 | 2 | | 3 | | 3 | 1 |
| CO3 | 2 | 2 | 3 | 3 | 3 | 3 | | 3 | | 3 | |
| CO4 | 2 | 2 | 1 | 3 | 3 | 2 | | 3 | | 2 | |
| Average | 2 | 1.7 | 2 | | 3 | 2.25 | | 3 | | 2.75 | 0.5 |
| Correlation level | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | | |

Semester –IV (January to June)

Core Course- VIII: Intermediate Microeconomics II

Course Code: CC8

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC8 | Intermediate Microeconomics II |
| Year and Semester | 2nd year 4th Semester |
| Prerequisite Course | Intermediate Microeconomics 1 |
| Course Objective | Students will be able to understand Microeconomic theory and can apply policies in models |



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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 1.1 Monopoly: Different aspects | CO1 | Apprehend the features and sources of Monopoly, short and long-run equilibrium, Social cost of Monopoly, Degree of Monopoly power. | 1, 2, 3, 4 | 1,2, 4, 5 | U,Ap |
| Unit1.2 Monopoly Pricing with market power | CO2 | Apprehend different degree of price discrimination. | 1, 2, 3, 4 | 1, 2, 4, 5 | U,Ap |
| Unit1.3 Monopolistic Competition | CO3 | Apprehend short Run and Long Run equilibrium of Monopolistic Competition, Excess Capacity | 1, 2, 3, 4 | 1, 2, 4, 5 | U,An |
| Unit 1.4.1 Noncollusive Oligopoly | CO4 | Apprehend features of Oligopoly, Cournot Model, Stackelberg Model, Bertrand Model. | 1, 2, 3, 4 | 1, 2, 4, 5 | U,Ap |
| Unit 1.4.2 Oligopoly : Price Leadership | CO5 | Apprehend Sweezy Model, Price Leadership Model | 1, 2, 3, 4 | 1,2, 4, 5 | U,Ap |
| Unit 1.4.3 Nash Equilibrium with respect to different oligopoly models | CO6 | Apprehend Nash Equilibrium with respect to different models. | 1, 2, 3, 4 | 1, 2, 4, 5 | U,An |
| Unit2 Input Market Under Imperfect Competition | CO7 | Apprehend different theories of Factor Pricing, different type of exploitations in factor market. | 1, 2, 3, 4 | 1,2, 4, 5 | U,An |
| Unit3.1 General Equilibrium and Economic | CO8 | Apprehend different efficiency conditions under Welfare Economics .Grand Utility | | 1, 2, 4, 5 | U,An |



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|---|------|--|------------|------------|-------|
| Efficiency | | Possibility Frontier | | | |
| Unit 3.2 Market Failure | CO9 | Apprehend reasons for market failure | 1, 2, 3, 4 | 1, 2, 4, 5 | U, An |
| Unit 3.3 Asymmetric information and Moral Hazard . | CO10 | Apprehend Moral Hazard and Asymmetric information. | 1, 2, 3, 4 | 1, 2, 4, 5 | U, An |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|-------|-------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 1 | 2 | 3 | 2 | | 2 | 3 | | |
| CO2 | 3 | 3 | 1 | 3 | 3 | 2 | | 2 | 3 | | |
| CO3 | 3 | 3 | 1 | 2 | 3 | 2 | | 3 | 3 | | |
| CO4 | 3 | 3 | 1 | 2 | 3 | 2 | | 3 | 3 | | |
| CO5 | 3 | 3 | 1 | 3 | 3 | 2 | | 3 | 3 | | |
| CO6 | 3 | 3 | 2 | 3 | 3 | 2 | | 3 | 3 | | |
| CO7 | 3 | 3 | 1 | 2 | 3 | 3 | | 3 | 3 | | |
| CO8 | 3 | 3 | 1 | 2 | 3 | 1 | | 1 | 3 | | |
| CO9 | 3 | 3 | 1 | 2 | 3 | 3 | | 3 | 1 | | |
| CO10 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | 1 | | |
| Average | 3 | 3 | 1.4 | 2.4 | 3 | 2.4 | | 2.6 | 2.6 | | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |



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Core Course- IX: Intermediate Macroeconomics II

Course Code: CC9

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC9 | Intermediate Macroeconomics II |
| Year and Semester | 4th sem, 2nd year |
| Prerequisite Course | Intermediate Macroeconomics I |
| Course Objective | Students will be able to understand gradual development in the theories of output and employment determination. The way economic variables respond to the changes in the policies. Evaluation of the demand for money and consumption theory and growth models. |

| SL No | Course Outcome | On completing the course, the student will be able to | PO Addressed | PSO Addressed | Cognitive level |
|----------|----------------|--|--------------|---------------|-----------------|
| Unit 1.1 | CO 1 | Understand concepts of New Classical tenants, role of real and nominal shocks and their relevance in business cycle. Role of rational expectation in policy effectiveness. | 1, 2, 3, 4 | 1, 2, 4, 6 | Ap. An |
| Unit 1.2 | CO 2 | Understanding real and nominal wage rigidity as explanation of unemployment. 'Role of Efficiency wage theory' and 'Credit rationing' in explaining involuntary employment. | 1, 2, 3, 4 | 1, 2, 4, 6 | Ap. An |
| Unit 2 | CO 3 | Role of regressive expectation in determining demand for money. | 1, 2, 3, 4 | 1, 2, 4, 6 | U, An, Ap, E |
| Unit 3 | CO 4 | Revisit Keynesian consumption theory. understanding post Keynesian developments of consumption function in | 1, 2, 3, 4 | 1, 2, 4, 5, 6 | U, An, Ap, E |



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| | | solving Kuznet's consumption puzzle. | | | |
| Unit 4 | CO 5 | Understanding neoclassical, Keynesian and endogenous growth models. | 1, 2, 3, 4 | 1, 2, 4, 5, 6 | U, An, Ap, E |

| | 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 | | 3 | | 3 | |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | | 3 | |
| CO3 | 3 | 2 | 2 | 3 | 3 | 3 | | 3 | | 3 | |
| CO4 | 3 | 2 | 2 | 3 | 3 | 3 | | 3 | 3 | 3 | |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | | 3 | 3 | 3 | |
| Average | 3 | 2.6 | 2.5 | 3 | 3 | 3 | | 3 | 1.2 | 3 | |
| Correlation level | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | | |

Core Course-X: Introductory Econometrics
Course Code: CC10

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC10 | Introductory Econometrics |
| Year and Semester | 2nd year , 4th semester |
| Prerequisite Course | Statistics, mathematics |
| Course Objective | Develop basic knowledge of the statistical foundations of regression analysis with Ordinary Least Square and perform analyses of economic data based on knowledge of the linear regression model. |



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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. Nature and Scope of Econometrics | CO1 | Perform analyses of economic data based on a broad knowledge of the linear regression model. | 1, 2, 3, 4 | 5,7 | U,An |
| Unit 1. Classical Linear Regression Model (Simple linear regression and multiple linear regression): part 1 | CO2 | Develop basic knowledge of the statistical foundations of regression analysis with Ordinary Least Square. | 1, 2, 3, 4 | 5,7 | U,Ap, An |
| Unit 3 Classical Linear Regression Model (Simple linear regression and multiple linear regression): part 2 | CO3 | Develop knowledge of hypothesis testing | 1, 2, 3, 4 | 5,7 | An,U |
| Unit 4. Statistical inference in linear regression model | CO4 | Detect and treat violations of OLS assumptions, multicollinearity, heteroscedasticity, and auto-correlation. | 1, 2, 3, 4 | 5,7 | U,Ap |
| Unit 5. Violations of Classical | CO5 | Develop the skills of estimation and testing with OLS, Reporting and | 1, 2, 3, 4 | 5,7 | Ap,An ,U |



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| Assumptions | | interpreting regression results. | | | |
| Unit 6:1. Specification Analysis | CO6 | Familiar with the concepts of specification bias-omitted variables ,inclusion of irrelevant variables. | 1, 2, 3, 4 | 5,7 | An,U, A |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|-------|-------|-------|-------|-------|-------|
| CO1 | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 1 | 3 | - | 2 |
| CO2 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 3 | - | 2 |
| CO3 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | - | 2 |
| CO4 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | - | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | - | 2 |
| CO6 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | - | 2 |
| Average | 3 | 2.8 | 2.8 | 3 | 2 | 2.5 | 1.1 | 2 | 3 | | 2 |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |



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Skill Enhancement Course-II: Research Methodology
Course Code: SEC 1B

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| SEC 1B | Research Methodology |
| Year and Semester | 2nd Year,4th semester |
| Prerequisite Course | Data Analysis |
| Course Objective | Develop basic knowledge regarding preparing research paper. |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO addressed | PSO Addressed | Cognitive level |
|--|----------------|---|--------------|---------------|-----------------|
| Unit 1 Locating basic issues, Designing the sampling frame, Data entry , Presentation of data. | CO1 | Designing the sample frame. Drawing random sample Understanding data entry technique after field survey. Presentation of the data. | 1, 2, 3, 4 | 2,5,7 | An,Ap |
| Unit 2.1: Theoretical and empirical research in Economics | CO2 | .Acquiring knowledge on how to do research- both theoretical and practical. | 1, 2, 3, 4 | 2,5,7 | U,An |
| Unit 2.2: Empirical research work & Theoretical research work. | CO3 | .Framing testable hypothesis and role of statistical inference in empirical research. Illustrations:Theoretical research. | 1, 2, 3, 4 | 2,5,7 | An,Ap |
| Unit 2.3: Writing and presentation of research paper. | CO4 | Understanding article writing. Acquiring knowledge on how to write a dissertation. Concepts of keywords JEL | 1, 2, 3, 4 | 2,5,7 | U,Ap |



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| | | classification and power point. | |
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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 | | 2 | | | 3 | | 1 |
| CO2 | 3 | 3 | 3 | 3 | | 2 | | | 3 | | 1 |
| CO3 | 3 | 3 | 2 | 3 | | 2 | | | 3 | | 1 |
| CO4 | 3 | 3 | 3 | 3 | | 2 | | | 3 | | 1 |
| Average | 3 | 3 | 2.75 | 3 | | | | | | | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |

Skill Enhancement Course-II: Managerial Economics
Course Code: SEC 2B

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| SEC 2B | Managerial Economics |
| Year and Semester | 2nd Year, 4th semester |
| Prerequisite Course | Introductory Microeconomics, Intermediate Microeconomics I |
| Course Objective | Developing basic knowledge on supply side of the economy from the perspective of managerial economics |



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| SL No | Course Objective | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|---|------------------|--|--------------|---------------|-----------------|
| Unit 1 Demand, Cost and Profit Analysis | CO1 | Demand forecasting, Cost Volume Profit analysis. Cost estimation, importance of these concepts in managerial decision making. | 1, 2, 3, 4 | 1, 2, 5, 7 | R, An, Ap, E |
| Unit 2 Pricing Policies and practices | CO2 | Pricing policies, Factors governing prices, price discounts and differentials, price forecasting. | 1, 2, 3, 4 | 1, 2, 5, 7 | R, Ap, U, An, E |
| Unit 3 Capital Budgeting | CO3 | Concept of capital budgeting, need for capital budgeting, different steps in capital budgeting, Capital budgeting appraisal methods – payback method, accounting rate of return method, net present value method, interest rate of return method, benefit cost ratio method. Capital rationing, alternative methods of financing investments | 1, 2, 3, 4 | 1, 2, 5, 7 | R, Ap, U, An, E |
| Unit 4 Cost of capital | CO4 | Concept related to corporate finance- Cost of debt capital, cost of share capital, cost of equity capital, cost of retained earnings | 1, 2, 3, 4 | 1, 2, 4, 5, 7 | R, Ap, U, An, E |
| Unit 5 Inventory Management | CO5 | Inventory costs, concepts of average inventory, various inventory models- economic order quantity, optimum number of orders per year, optimum number of days supply per order. | 1, 2, 3, 4 | 1, 2, 4, 5, 7 | R, Ap, U, 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 | 2 | 3 | 3 | 3 | | | 3 | | 3 |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | | | 3 | | 3 |
| CO3 | 3 | 3 | 2 | 3 | 3 | 2 | | | 3 | | 3 |
| CO4 | 2 | 2 | 2 | 3 | 3 | 2 | | 2 | 3 | | 3 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 2 | | 2 | 3 | | 3 |
| Average | 3 | 3.8 | 2.5 | 3 | 3 | 2.5 | | .8 | 3 | | 3 |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |

Semester –V (July to December)

Core Course –XI: International Economics

Course Code: CC11

| | |
|---------------------|--|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC11 | International Economics |
| Year and Semester | 3rd Year, 5th Semester |
| Prerequisite Course | Intermediate Microeconomics I, Intermediate Macroeconomics I |
| Course Objective | Understand the basis of International Trade. Concept of Classical, Neoclassical Trade theory, partial and general equilibrium analysis. |



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| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|--|----------------|---|--------------|---------------|-----------------|
| Unit1: Absolute and Comparative advantages of Trade | CO1 | Understand Adam Smith's Absolute advantage and David Ricardo's Comparative advantages of trade | 1, 2, 3, 4 | 1,3,4 | U, R |
| Unit2: Building Blocks of Trade Theory | CO2 | The building blocks of trade theory including trade indifference curves, offer curves, GFT theorem | 1, 2, 3, 4 | 1,3,4 | U, Ap |
| Unit3: Factor Endowment and Trade | CO3 | Heckscher-Ohlin Theorem, Factor Price Equalisation theorem, Leontief Paradox | 1, 2, 3, 4 | 1,3,4 | U, R |
| Unit4: Application of Neo-classical Trade models for developing countries | CO4 | Jones(1965) and Jones(1971) models for developing countries | 1, 2, 3, 4 | 1,3,4 | U, R |
| Unit5: Trade Policy | CO5 | Partial and General equilibrium analysis of tariff including discussion on effects on large and small country | 1, 2, 3, 4 | 1,3,4 | U, Ap, An |
| Unit6: Open Economy Macroeconomics and Balance of Payments | CO6 | Open Economy Macroeconomics with Foreign trade Multiplier and Balance of Payments using IS-LM model. | 1, 2, 3, 4 | 1,3,4 | U, R |



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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 | 1 | 1 | 3 | | 3 | 2 | | | |
| CO2 | 3 | 3 | 2 | 1 | 3 | | 3 | 2 | | | |
| CO3 | 3 | 3 | 2 | 1 | 3 | | 3 | 2 | | | |
| CO4 | 3 | 3 | 1 | 1 | 3 | | 3 | 2 | | | |
| CO5 | 3 | 3 | 1 | 1 | 3 | | 3 | 2 | | | |
| CO6 | 3 | 3 | 1 | 1 | 3 | | 3 | 2 | | | |
| Average | 3 | 3 | 1.3 | 1 | 3 | | 3 | 2 | | | |
| Correlation level | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | | |

Core Course –XII: Indian Economy
Course Code: CC12

| | |
|---------------------|--|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC12 | Indian Economy |
| Year and Semester | 3rd Year semester 5 |
| Prerequisite Course | none |
| Course Objective | To get an overall scenario about the economic condition of India |

| 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: Economic development science independence | CO1 | Understand the basic concepts of economic development in the country since independence | 1, 2, 3, 4 | 1, 4, 6 | R, U |
| Unit 2: Population and human development | CO2 | Understand the actual scenario of the population pressure, human capital and demographic dividend in India. | 1, 2, 3, 4 | 1, 2, 6, 7 | R, U |
| Unit 3: Growth and distribution | CO3 | This unit analyzed and discusses the trends and nature of GDP, per capita income, poverty and inequality in the country. | 1, 2, 3, 4 | 1, 2, 4, 6 | R, U, An |
| Unit 4: Economic reforms in India | CO4 | Understand the relevance of LPG in India during 1991 | 1, 2, 3, 4 | 1, 2, 3, 4, 6 | R, U, An |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|-------|-------|-------|-------|-------|-------|
| CO1 | 2 | 2 | 1 | 3 | 2 | | | 1 | | 3 | |
| CO2 | 2 | 2 | 2 | 3 | 1 | 2 | | | | 3 | 2 |
| CO3 | 2 | 2 | 1 | 3 | 2 | 2 | | 3 | | 3 | |
| CO4 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | | 3 | |
| Average | 2 | 2 | 1.5 | 3 | 1.75 | 1.5 | 0.75 | 1.75 | 0 | 3 | 0.5 |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |



HERAMBA CHANDRA COLLEGE
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Discipline Specific Elective (DSE) Courses: Applied Econometrics (AE)
Course Code- DSE-A1

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|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| DSE-A1 | Applied Econometrics (AE) |
| Year and Semester | 3rd year semester 5 |
| Prerequisite Course | Econometrics,statistics |
| Course Objective | Understand the basic steps in empirical research , use econometric models in empirical research,be familiar with the basic commands in Stata / R ,develop the knowledge on analysing cross section,time series,panel data using STATA/R |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|-------------------------------------|----------------|---|--------------|---------------|-----------------|
| Unit 1. Steps in empirical research | CO1 | Understand the basic steps in empirical research , use econometric models in empirical research | 1, 2, 3, 4 | 5,7 | U,An |
| Unit 1. Steps in empirical research | CO2 | Familiar with the basic commands in Stata / R . | 1, 2, 3, 4 | 5,7 | U,An |
| Unit 1. 2. Regression | CO3 | Test the Regression Diagnostics | 1, 2, 3, 4 | 5,7 | An,Ap |



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| Diagnosics and Specification | | and Specification ,deal with the problems of misspecification , incorrect functional forms,Learn Model selection techniques | | | |
| Unit1. 2. Regression Diagnostics and Specification | CO4 | Learn Cross section analysis – Linear regression model (using survey data like NSSO with Stata /R) | 1, 2, 3, 4 | 5,7 | An,U |
| Unit 3. Application of Regression Analysis | CO5 | Understand time series analysis , estimating linear trend (by using NAS with Stata / R) | 1, 2, 3, 4 | 5,7 | Ap,An |
| Unit 3. Application of Regression Analysis | CO6 | Develop knowledge on panel data analysis (Application with Indian Official Statistics using Stata / R) | 1, 2, 3, 4 | 5,7 | U,Ap |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|---------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 3 | 3 | 1 | 2 | 1 | 2 | 3 | - | 3 |
| CO2 | 3 | 3 | 3 | 3 | 1 | 2 | 1 | 2 | 3 | - | 3 |
| CO3 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 3 | - | 3 |
| CO4 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | - | 3 |
| CO5 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | - | 3 |
| CO6 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 3 | - | 3 |
| Average | 3 | 3 | 3 | 3 | 1.5 | 2.5 | 1.5 | 2 | 3 | - | 3 |



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

Discipline Specific Elective (DSE) Courses: Economic History of India (1857-1957) (EHI)
Course Code- DSE-A1

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| DSE-A1 | Economic History of India (1857-1957) |
| Year and Semester | 3rd year,5th semester |
| Prerequisite Course | Nil |
| Course Objectiveq | Knowledge about Impact of British Rule in India and Aspects of Economic Policies in British India |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|---|----------------|---|--------------|---------------|-----------------|
| Unit1: Impact of British Rule in India | CO1 | Understand the effects of deindustrialisation during British Rule In India | 1, 2, 3, 4 | 6 | U,R |
| Unit 2: Impact of British Rule in India | CO2 | Effects of commercialisation of agriculture in India,food scarcity, process of economic drain of wealth from India to Britain during British Rule | 1, 2, 3, 4 | 6 | U,R |
| Unit3: Aspects of Economic | CO3 | Effects of land policy and the policy of discriminating protection by the Britishers in India | 1, 2, 3, 4 | 6 | U,R |



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| polices in British India | | | | | |
| Unit4: Aspects of Economic polices in British India | CO4 | Early Industrial development and introduction of Managing Agency System | 1, 2, 3, 4 | 6 | U,R |
| Unit5: Aspects of Economic polices in British India | CO5 | Evolution of money from the gold standard | 1, 2, 3, 4 | 6 | U,R |
| Unit6: Aspects of Economic polices in British India | CO6 | Effects of development of railways by Britishers in India | 1, 2, 3, 4 | 6 | U,R |

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



HERAMBA CHANDRA COLLEGE
DEPARTMENT OF ECONOMICS

Discipline Specific Elective (DSE) Courses: Comparative Economic Development (1850-1950) (CED)

Course Code- DSE-B1

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| DSE-B1 | Comparative Economic Development |
| Year and Semester | 3rd Year,5th semester |
| Prerequisite Course | Nil |
| Course Objective | Develop basic knowledge on history of economic development. |

Lesson plan

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|------------------------------------|----------------|---|--------------|---------------|-----------------|
| Unit 1.1: Laissez-Faire Free Trade | CO1 | Understanding Laissez Faire | 1, 4 | 3,4,6 | An,U,R |
| Unit 1.2: Soviet Union | CO2 | Understanding industrialization in the Soviet Union. | 1, 3, 4 | 4,6 | U,R |
| Unit 2.1: Success Stories of East | CO3 | Understanding Success Stories of Japan, South East Asia and China | 1, 3, 4 | 2,4,6 | An,U,R |
| Unit2.2 : Latin America | CO4 | Crisis and Failure of Latin America | 1, 3, 4 | 4,6 | U,R |
| Unit 2.3 : Africa | CO5 | Crisis and Failure of Africa | 1, 3, 4 | 4,6 | U,R |



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

Discipline Specific Elective (DSE) Courses: Financial Economics (FE)
Course Code- DSE-B1

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| DSE-B1 | Financial Economics |
| Year and Semester | 3rd Year,5th Semester |
| Prerequisite Course | Managerial Economics |
| Course Objective | Develop the knowledge on financial market and instruments and their applications. |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|----------------------|----------------|--|--------------|---------------|-----------------|
| Unit 1.1: Determinis | CO1 | Understanding different concepts of interest rate,concept of present and | 1, 2, 3, 4 | 1,2,4,7 | U,Ap, E |



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|--|-----|--|------------|---------|-------------|
| tic cash flow streams. | | future value, concept of NPV and IRR,spot -forward rate. | | | |
| Unit 1.2: Single period random cash flow. | CO2 | Understanding portfolio mean and variance, mean-variance portfolio analysis, Markowitz model, one and two fund theorem. | 1, 2, 3, 4 | 1,2,4 | U,An, E |
| Unit1.3: CAPM | CO3 | Understanding of capital market line security market line use of | 1, 2, 3, 4 | 1,2,4 | U An, E |
| Unit2.1: Forward and Future derivatives | CO4 | Understanding of Forward,Future contract | 1, 2, 3, 4 | 1,2,4,7 | U,Ap, AP, E |
| Unit 2.2: Options Arbitrage and Valuations. | CO5 | Understanding Option contract Option trading strategies Arbitrage Binomial tree model Risk neutral valuation. | 1, 2, 3, 4 | 1,2,4,7 | U,An, AP, E |
| Unit3: Pattern of Corporate Financing. Modigliani -Miller Model. | CO6 | Understanding instruments of corporate financing Capital Structure Cost of Capital Corporate debt Dividend policy Modigliani-Miller Theorem. | 1, 2, 3, 4 | 1,2,4 | U,An, AP, E |

| | 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 | | 2 | | | 2 |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | | 2 | | | |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | | 2 | | | |
| CO4 | 3 | 3 | 2 | 3 | 3 | 3 | | 2 | | | 3 |
| CO5 | 3 | 3 | 2 | 3 | 3 | 3 | | 2 | | | 3 |



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|-------------------|---|---|---|--|---|---|--|---|--|--|-----|
| CO6 | 3 | 3 | 2 | 3 | 3 | 3 | | 2 | | | |
| Average | 3 | 3 | 2 | 3 | 3 | 3 | | 2 | | | 2.6 |
| Correlation level | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | | |

Semester –VI (January to June)
Core Course-XIII:Public Economics
Course Code: CC13

| | |
|---------------------|--|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| CC13 | Public Economics |
| Year and Semester | 3rd Year, 6th Semester |
| Prerequisite Course | Introductory Microeconomics, Intermediate Microeconomics I, Introductory Macroeconomics I |
| Course Objective | Understand the role of the Public sector in developing the economy. Impact of taxes- Partial and General equilibrium analysis. |

| SL No | Course Objective | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|--|------------------|---|--------------|---------------|-----------------|
| Unit 1 Government in a Market Economy | CO1 | Understanding the concept of Market failure and externality. Importance of Government intervention in this regard. Role public expenditure in any developing economy. | 1, 2, 3, 4 | 1, 2, 4 | R, U, An |
| Unit 2 Choice | CO2 | Acquiring knowledge on public goods and their importance in | 1, 2, 3, 4 | 1, 2,4 | R, U, An, E |



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|---|-----|---|------------|---------|-------------|
| and Public Economics | | contemporary economies. Understanding the process of optimal provisioning of public good . The concept of Lindahl and Voting equilibrium. | | | |
| Unit 3 The Revenue and Expenditure of the Government | CO3 | Concept of canons of taxation, classification of taxes. Basis of taxation -Benefit, Sacrifice and Ability to pay. Effect of different tax policies on income distribution, work effort and saving. Comparison of direct and indirect tax in the context of substitution and income effect. | 1, 2, 3, 4 | 1, 2, 4 | R, U, An, E |
| Unit 4 Public Finance | CO4 | Classification of government expenditure and different budget deficits. Role of debt in economic development. Understanding relevance of tax and debt financed expenditures -Ricardian equivalence. Understanding the federal finance system of India. The concept of horizontal and vertical devolution. Acquiring knowledge about 14th and 15th Finance Commission. | 1, 2, 3, 4 | 1, 2, 4 | R, U, AN, E |

| | PO1 | PO2 | PO3 | P04 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|-------|-------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | | | |
| CO2 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | | | |
| CO3 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | | | |
| CO4 | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | | | |
| Average | 3 | 3 | 2 | 3 | 3 | 3 | | 3 | | | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |



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Core Course-XIV: Development Economics
Course Code: CC14

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| CC14 | Development Economics |
| Year and Semester | 3rd year, 6th semester |
| Prerequisite Course | Macroeconomics |
| Course Objective | Knowledge about the development strategy for economic development of India as well as outside of the India i.e., world economy. |

| SL No | CO | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|--|-----|---|--------------|---------------|-----------------|
| Unit 1 Meaning of Economic Development | CO1 | Income Approach and Capability Approach Construction and interpretation of HDI; international variations in development measures; comparing development trajectories across nations and within them. Dependency school of development, where one can acquire knowledge on the concepts of growth and development | 1,2,3,4 | 1,2,4,6 | U, An, E |
| Unit II Poverty and Inequality | CO2 | Inequality axioms; a comparison of commonly used inequality measures. Gender Inequality, connections between inequality and development. Poverty measurement, HPI; poverty traps and path dependence of growth processes. Vicious Circle of Poverty Hypothesis. One can | 1, 2, 3, 4 | 1,2,4,6 | U, An, E,R |



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| | | acquire knowledge of inequality and development and the different measures of inequality. | | | |
| Unit III Dual Economy Models | CO3 | Acquiring knowledge on surplus labour and disguised unemployment and also transformation of the society | 1, 2, 3, 4 | 1, 2, 4,6,7 | U,An, E, R |
| Unit IV Population Growth and Economic Development | CO4 | Acquiring knowledge on different aspects of demography and different models of population growth and economic development | 1, 2, 3, 4 | 1, 4,6, | U,An, E |
| Unit V Development Strategies | CO5 | Acquire knowledge to distinguish between balanced and unbalanced growth theories and on the selection of techniques of production | 1, 2, 3, 4 | 1,2, 4,6 | U,An, E |
| Unit VI Political Institutions and the State | CO6 | Acquiring knowledge on political institutions and determinants of democracy | 1, 2, 3, 4 | 1, 2, 4,6 | U, An |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|------|------|---|-------|-------|-------|-------|-------|-------|
| CO1 | 3 | 3 | 2 | 3 | 3 | 2 | | 3 | | 2 | |
| CO2 | 3 | 3 | 1 | 3 | 3 | 3 | | 3 | | 2 | |
| CO3 | 2 | 2 | 1 | 3 | 3 | 2 | | 2 | | 2 | 1 |
| CO4 | 2 | 2 | 2 | 3 | 3 | | | 3 | | 2 | |
| CO5 | 3 | 3 | 1 | 2 | 3 | 2 | | 3 | | 2 | |
| CO6 | 2 | 2 | 1 | 2 | 3 | 1 | | 2 | | 2 | |
| Average | 2.5 | 2.5 | 1.33 | 2.66 | 3 | 1.66 | 0 | 2.66 | 0 | 2 | 1 |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (| | | | | | |



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| | | 60% < Achievement) |
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Discipline Specific Elective (DSE) Courses: Money and Financial Markets (MFM)
Course Code: DSE-A(1)

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| DSE-A(1) | Money and Financial Market |
| Year and Semester | 3rd Year, 6th Semester |
| Prerequisite Course | Financial Economics |
| Course Objective | Develop the knowledge regarding money market and financial market in India. |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|---|----------------|---|--------------|---------------|-----------------|
| Unit 1: Introduction to money and banking | CO1 | Acquiring an overview of financial management in reference to different concepts of money supply. | 1, 2, 3, 4 | 1,2 | U,Ap |
| Unit 2: Financial institution, instruments and innovations. | CO2 | Understanding the financial crisis. Role of financial derivatives and other innovations. How does banks perform 'leveraging mechanism' as special institutions. | 1, 2, 3, 4 | 1,2,4 | U,R |
| Unit 3: Interest | CO3 | Concept of interest rate. Understanding the reasons for interest differential and | 1, 2, 3, 4 | 1,2,4 | U,An |



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| rate behaviour in financial market. | | term structure of interest rate. | | | |
| Unit 4: Banking System. | CO4 | Acquiring knowledge on the portfolio management and balance-sheet concept of banking systems in economies with special reference to India. | 1, 2, 3, 4 | 1,2,4 | U,R |
| Unit 5: Central Banking and Monetary policies. | CO5 | Acquiring knowledge on contemporary monetary policy and the role of central banks in monetary policies. | 1, 2, 3, 4 | 1,2,4 | R |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|-------|-------|------|-------|-------|-------|
| CO1 | 3 | 3 | 2 | 2 | 3 | 3 | | | | | |
| CO2 | 3 | 2 | 2 | 2 | 3 | 3 | | 2 | | | |
| CO3 | 3 | 2 | 3 | 2 | 3 | 3 | | 2 | | | |
| CO4 | 3 | 2 | 3 | 3 | 3 | 3 | | 2 | | | |
| CO5 | 3 | 2 | 2 | 3 | 3 | 3 | | 2 | | | |
| Average | 3 | 2.2 | 2.4 | 2.4 | 3 | 3 | | 2 | | | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |



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Discipline Specific Elective (DSE) Courses: Issues in Indian Economy (IIE)

Course Code: DSE-A(2)

| | |
|---------------------|---|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| ECO-A-DSE-6-A(2)-TH | Issues in Indian Economy |
| Year and Semester | 3rd Year,6th Semester |
| Prerequisite Course | Indian Economics |
| Course Objective | Acquiring knowledge on the trends of Indian economy on a special insight about various macroeconomics policy. |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|----------|----------------|---|--------------|---------------|-----------------|
| Unit I | CO1 | Acquiring knowledge on the trends in national income and per capita along with the structural composition | 1,2 | 1,2 | U,R |
| Unit II | CO2 | Acquiring knowledge on different macroeconomic policies and their impacts | 1,2,3,4 | 1,2,4 | U,R |
| Unit III | CO3 | 8 Acquiring knowledge on the agrarian structure of the country like, Growth; productivity; agrarian structure and technology, capital formation. Agricultural marketing. Food security and food policy. Pricing and procurement. WTO and Indian agriculture | 1,2,4 | 1,4,5 | U,R |
| Unit IV | CO4 | Acquiring knowledge on the output and employment of the industrial sector | 1,2,3,4 | 1,2,4,5 | R |
| Unit V | CO5 | Acquiring knowledge on trends and performance in different sectors of | 4 | 4,5 | U,A N |



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| | | the economy | | | |
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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 | | | 2 | | 3 | | | 2 | |
| CO2 | 2 | 2 | 2 | 2 | | 3 | | 2 | 1 | | 2 |
| CO3 | 3 | 3 | | 3 | 3 | | 2 | | | 3 | 3 |
| CO4 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | | 1 | 3 |
| CO5 | | | | 3 | 2 | | 2 | | 1 | 3 | 2 |
| Average | 2.7 | 2.7 | 2.1 | 2.5 | 3.3 | 2.1 | 2 | 2.5 | 1 | 2.1 | 2.1 |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |

Discipline Specific Elective (DSE) Courses: Environmental Economics (EE)
Course Code: DSE-B(1)

| | |
|---------------------|--|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| DSE-B(1) | Environmental Economics |
| Year and Semester | 3rd year 6th semester |
| Prerequisite Course | nil |
| Course Objective | Develop basic knowledge of environmental economics. Learn the review of microeconomics and welfare economics apply the knowledge of environmental economics. |



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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. Introduction | CO1 | Develop basic knowledge of environmental economics. Learn the review of microeconomics and welfare economics. Also learn the Interlinkages between the economy and environment | 1,2,3,4 | 1,4,7 | Ap,An |
| Unit 2. Efficiency and Market Failure | CO2 | Recap the basic knowledge on pareto optimality, market failure in the presence of externalities ,Learn Property rights and the Coase theorem and their applications,Public goods/ bads and market failure | 1, 2, 3, 4 | 1,4,7 | U,Ap |
| Unit 3. The Design and Implementation of Environmental Policy | CO3 | Learn and use the design and Implementation of Environmental Policy ,Pigouvian Fees – Single Polluter, Multiple Polluters, Fees vs Subsidies,Regulating Pollution : Command and Control, Economic Incentives,The Basic Theory of Tradeable Pollution Permits | 1, 2, 3, 4 | 1,4,7 | An,U |
| Unit 4. International Environmental Problems | CO4 | Be aware of International Environmental Problems :Transboundary Pollution–Transboundary Pollution as a problem of international externalities,International Trade and Environment – Pollution Havens,International Environmental Agreements – Basic idea about | 1,2,3,4 | 1,4,7 | Ap |



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|--|-----|---|---------|-------|------|
| | | Montreal and Kyoto Protocol and Talks on Climate Change | | | |
| Unit 5. Measuring the values of Environmental Costs and Benefits | CO5 | Develop knowledge on measuring the values of Environmental Costs and Benefits :Concepts of Willingness to pay (WTP) and Willingness to accept compensation (WTAC), Difference between the two concepts, Direct and Indirect Methods of Valuation – Contingent Evaluation, Travel Cost, hedonic Pricing –basic concepts only (no econometric techniques) – when they should be used, what are the advantages and disadvantages of these methods. | 1,2,3,4 | 1,4,7 | U,An |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|-------|-------|-------|-------|-------|-------|
| CO1 | 3 | 2 | 2 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 1 |
| CO2 | 3 | 3 | 3 | 3 | 1 | 1 | 2 | 3 | 2 | 1 | 1 |
| CO3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 2 |
| CO4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| CO5 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 |
| CO6 | | | | | | | | | | | 3 |
| Average | 3 | 2.8 | 2.8 | 3 | 2 | 2 | 2.5 | 3 | 2.5 | 1.6 | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |



HERAMBA CHANDRA COLLEGE
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Discipline Specific Elective (DSE) Courses:
Issues in Development Economics (IDE)
Course Code: DSE-B(2)

| | |
|---------------------|--|
| Programme | B.Sc HONS Economics |
| Course Code | Course Name |
| ECO-A-DSE-6-B(2) | Issues in Development Economics (IDE) |
| Year and Semester | 6th Semester |
| Prerequisite Course | Development Economics |
| Course Objective | Acquiring knowledge to to gain insight regarding the development of Indian Economics |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|----------|----------------|---|--------------|---------------|-----------------|
| Unit I | CO 1 | Acquiring knowledge on the issues of demography and economic development like Demographic concepts; birth and death rates, age structure, fertility and mortality. Demographic transitions during the process of development; gender bias in preferences and outcomes and evidence on unequal treatment within households. Connections between income, mortality, fertility choices and human capital accumulation. Migration | 1,2 | 1,2 | U,An |
| Unit II | CO 2 | Acquiring knowledge on the contractual relationship between land labour and credit markets | 2,3 | 2,3 | U,E, An |
| Unit III | CO 3 | Acquiring knowledge about individual and collective behaviour in social environments like | 1, 4 | 1,4,5 | Ap,An,E |



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| | | Individual behaviour in social environments. Multiple social equilibria. Governance in organisations and in communities. Individual responses to organisational inefficiency. | | | |
| Unit IV | CO 4 | Acquiring knowledge about issues relating to environment and sustainable development | 4 | 4,5 | E,C |
| Unit V | CO 5 | Acquiring knowledge on the idea of globalisation from a historical perspective and the study of India in this context | 4 | 4,5 | Ap,C |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|-------|-------|-------|-------|-------|-------|
| CO1 | 2 | 3 | | | | 2 | | 3 | 2 | 2 | |
| CO2 | | 3 | 2 | | | 3 | | | 3 | 3 | |
| CO3 | 3 | | | 2 | 2 | 2 | | 3 | | 2 | |
| CO4 | | | | 3 | 2 | 1 | | 2 | | 1 | |
| CO5 | | | | 3 | 2 | 2 | | 1 | 2 | 2 | |
| Average | 2.5 | 3 | 2 | 2.7 | 2 | 2 | | 2.5 | 2.3 | 2 | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |

B.Sc General

GE 1

| | |
|--------------------|---|
| Programme | B.Sc General Economics |
| Course Code: GE -1 | Course Name : Introductory Microeconomics |
| | |



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|---------------------|----------------------------------|
| Year and Semester | Semester 1 |
| Prerequisite Course | NA |
| Course Objective | Basic Understanding of Economics |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|---|----------------|---|--------------|---------------|-----------------|
| Unit I Exploring the subject matter of Economics:- | CO1 | Understand the need to study economics, scope and method of economics; the economic problem: scarcity and choice | 1,2 | 1,4 | R, U |
| Unit II Supply and Demand: How Markets Work, Markets and Welfare | CO2 | Understand the determinants of individual demand/supply; demand/supply schedule and demand/supply curve; law of demand and law of supply; market versus individual demand/supply; types of elasticity of demand - elasticity and its application; consumer surplus; producer surplus and the efficiency of the markets. | 1,2 | 1,4 | R, U |
| Unit III The Households | CO3 | Understand the concepts of Cardinal utility and Ordinal utility. | 1,2 | 1 | R, U |
| Unit IV The Firm and Perfect Market Structure | CO4 | Understand the production function of a firm; total product, average product and marginal product; concept of isoquant ; returns to scale; behaviour of profit maximizing firms and the production process; the cost structure. | 1,2 | 1,4 | R, U AP |



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|--------------------------------------|-----|---|-----|-----|------|
| Unit V Imperfect Market Structure | CO5 | Understand the Monopoly equilibrium-differences with perfect competition. Basic ideas of price-discriminating monopolist | 1,2 | 1,4 | R, U |
| Unit VI Input Markets | CO6 | Understand the labour market - basic concepts - derived demand, productivity of an input; marginal productivity of labour, marginal revenue product); the land market- concepts of rent and quasi rent. | 1,2 | 1,4 | R, U |

| | PO1 | PO2 | PO3 | PO4 | PSO 1 | PSO 2 | PSO 3 | PSO 4 | PSO 5 | PSO 6 | PSO 7 |
|-------------------|-----|-----|-----|-----|--|-------|-------|-------|-------|-------|-------|
| CO1 | 3 | 2 | | | 3 | | | 2 | | | |
| CO2 | 3 | 3 | | | 3 | | | 3 | | | |
| CO3 | 3 | 2 | | | 3 | | | 3 | | | |
| CO4 | 3 | 3 | | | 3 | | | 2 | | | |
| CO5 | 3 | 3 | | | 3 | | | 2 | | | |
| Average | 3 | 2.6 | | | 3 | | | 2.4 | | | |
| Correlation level | | | | | 1-Low(40%<Achievement<50%), 2- Medium (50%<Achievement<60%), 3- High (60%<Achievement) | | | | | | |

GE 2

| | |
|-------------------|--|
| Programme | B.Sc General Economics |
| Course Code GE2 | Course Name: Introductory Macroeconomics |
| | |
| Year and Semester | Semester-II |



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|---------------------|--|
| Prerequisite Course | NA |
| Course Objective | Understanding of basic macro economics |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|----------|----------------|--|--------------|---------------|-----------------|
| Unit I | CO 1 | understand the basic concept of national income, measurements of national income and circular flow. | 1,2,3 | 1,2,3,4,7 | R,U, |
| Unit II | CO 2 | Acquiring knowledge on the consumption function, saving function, determination of equilibrium level of income and investment multiplier. | 1,2,3 | 1,2,3,4, | R,U, An, |
| Unit III | CO 3 | Acquiring knowledge about Say's Law, quantity theory of money, classical theory of income and employment determination. | 1,2,4 | 1,2,3,4 | R, U,E, An |
| Unit IV | CO 4 | Understand the different components of money supply, high powered money, credit creation multiplier, different monetary policies, different money demand components, liquidity preference theory. | 1,2,3,4 | 1,2,3,4 | R,U, Ap,An |
| Unit V | CO 5 | Acquiring knowledge about inflation, unemployment, phillips curve, different fiscal and monetary policies to control inflation and money supply. | 1,2,3 | 1,2,3,4 | R,U, Ap,An, E |
| Unit VI | CO 6 | Acquiring knowledge about concepts of absolute advantage, comparative advantage, arguments for free trade, arguments for protection, balance of payments accounting, equilibrium and disequilibrium in balance of payments, devaluation and the role of Marshall-Lerner condition. | 1,2,3,4 | 1,2,3,4 | R,U, Ap,An |



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

GE 3

| | |
|---------------------|--|
| Programme | B.Sc General Economics |
| Course Code GE3 | Course Name:Issues in Economic Development and India |
| Year and Semester | Semester-III |
| Prerequisite Course | NA |
| Course Objective | Understanding of Indian Economic Development Perspective |

| SL No | Course Outcome | On completing the course, the student will be able to: | PO Addressed | PSO Addressed | Cognitive level |
|--------|----------------|--|--------------|---------------|-----------------|
| Unit I | CO1 | Understanding basic concept and | 1,2,3 | 1,2,4 | R, U, |



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| | | | | | |
|----------|-----|---|---------|---------|--------------|
| | | meaning of growth and development with special emphasis on human, education and health sectors in India under different policy regimes | | | Ap |
| Unit II | CO2 | Analysing the basic issues of poverty and inequality and their alleviation measures in India | 1,2,3,4 | 1,2,4,5 | U, An, Ap, E |
| Unit III | CO3 | Remembering and analysing the concept of surplus labour and disguised unemployment using Lewis model and understanding development strategies | 1,2,3 | 1,2,6 | R, U, An |
| Unit IV | CO4 | Understanding the functions and role of different international organization and analysing their relationship with India | 1,2,3,4 | 1,2,3,4 | U, An |

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