~~FOR~~ ON CAMPUS

MEETING OF B O S ECONOMICS[JUNE 2025]

The Dean,

Centre of Academics,

CSJM University, Kanpur

This is to bring to your kind information that a Meeting of BOS Economics was held on 9/6/2025 at DBS College to discuss and implement both UG & PG Syllabus under the FYUP Programme as per the norms of NEP 2020. Each Member of the BOS had substantive discussions and interactions regarding Syllabus preparation of Economics for the new pattern of BA (Honours – 4 yr Course from Semester-I to Semester-VIII) and MA (1 yr Course from Semester-IX to Semester-X). Both Core as well as Elective Papers were finalisingly discussed in this context.

Again – with the consent and consultation of External Experts, both an Offline and Online Meeting was arranged on 30/6/2025 at the College Library via Google Meet Platform under the observation of the Centre of Academics, CSJM University, Kanpur. The course of discussion continued for around 4 hrs – in which each Paper of UG and PG was discussed elaboratingly Syllabus wise and finally given shape. The Expert views as well as suggestions of our External Experts have been widely incorporated in the construction of new Economics Syllabus keeping in mind the knowledge cum career pursuits of the students.

Convener

Prof. G.S. Tripathi,
Convener BoS (Economics)
C.S.J.M. Univ. Kanpur

Chhatrapati Shahu Ji Maharaj University, Kanpur

Syllabus for B.A. (Honours) in Economics Under (Under FYUP)

The **B.A. Honours in Economics** under the Undergraduate Programmes at CSJM University is designed to align with the vision of the **National Education Policy (NEP) 2020**, focusing on a holistic, multidisciplinary, and skill-based education framework.

This programme is aimed at preparing students for **both academic excellence and employability**, ensuring they are equipped with essential skills for their professional and personal lives. The curriculum is structured to instil values of **well-being, a balanced mindset, critical thinking, social justice**, and **life skills**.

By engaging with this course, students will be nurtured into **life-long learners** capable of contributing meaningfully to society and sustaining themselves in a dynamic economic environment.

The courses are meticulously designed not only to impart the intricacies of economic knowledge but also to **encourage critical thinking, analytical skills, and inquisitiveness** among students. By fostering an academic environment where questioning and dialogue are integral, the programme aspires to develop a deeper and more nuanced understanding of economic phenomena.

In the process of analysing specific issues and contemporary events, the curriculum encompasses both **macro-level and micro-level dimensions**, enabling students to explore the discipline of Economics in all its depth and complexity. The comprehensive approach helps students to unravel and critically engage with diverse economic theories, models, and real-world applications.

(Dr.Prem Swaroop Tripathi)

Convener /Coordinator (BoS)

For CSJMU Campus

CourseStructureofB.A.(Hons)&B.A.HonswithResearchunderFYUP

B.A.HonoursSemester -I			
Code	Paper	Courses	Credits
SH080101T	Core Course-I	Microeconomics-I	4
SH080102T	CoreCourse-II	Macroeconomics-I	4
SH080103T	Core Course-III	StatisticalMethods-I	4
SH080104T		ContemporaryEconomicIssues	
SH080105T	MinorCourse	IntroductiontoEconomics* *(Canbeoptedeitherin SemIorSemII)*	6
VOCxxx	SkillEnhancement course (SEC)	Vocational Skill Enhancement coursewith Summer Internship	3
Z011101	AbilityEnhancement Course (AEC)/ Co- curricular	FirstAidandBasicHealth	2
		Totalcredits	23

B.A.HonoursSemester- II			
Code	Paper	Courses	Credit
SH080201T	Core Course-I	Microeconomics-II	4
SH080202T	CoreCourse-II	Macroeconomics-II	4
SH080203T	CoreCourse-III	StatisticalMethods-II	4
SH080204T		ComparativeEconomicDevelopment	
SH080205T	MinorCourse	IntroductiontoEconomics* *(Canbeopted either inSemIorSemII)*	6
VOCxxx	SkillEnhancement course (SEC)	VocationalSkillEnhancementcourse with Summer Internship	3
Z021201	Ability (AE) Enhancement Course/ Co- curricular	Human Values and EnvironmentStudies	2
		TotalCredits	23

Note: *The IDC paper (6 credits) can be opted either in Sem I or Sem II by the students of other disciplines (Other than Economics)/Faculty

1. TotalCredits40tillsemester II
2. StudentisentitledforcertificateinFacultyaftersuccessfullycompletionoffirsttwo semesters

B.A.HonoursSemesterIII			
Code	Paper	Courses	Credit
SH080301T	CorePaper -I	NatureoftheIndianEconomy	4
SH080302T	CorePaper-II	PublicFinance	4
SH080303T	CorePaperIII	MathematicsforEconomics	4
SH080304T		DevelopmentEconomics	
SH080305T	MinorCourse	IndianEconomy* *(CanbeoptedeitherinSemIIIorSemIV)*	6
VOCxxx	Skill Enhancement CompulsoryCourse (SEC)	VocationalSkillEnhancementcoursewith Summer Internship	3
Z031301	AbilityEnhancement Course (AEC)/ Co-curricular	PhysicalEducationandYoga	2
		TotalCredits	23

B.A.HonoursSemesterIV			
Sr.	Paper	Courses	Credit
SH080401T	CorePaper -I	EconomicThought	4
SH080402T	CorePaper-II	InternationalTrade:TheoryandPolicy	4
SH080403T	Core Paper-III	Banking	4
SH080404T		PublicPolicy&DigitalHumanities	
SH080405T	MinorCourse	IndianEconomy* *(CanbeoptedeitherinSemIIIorSemIV)*	6
Z041401/ Z041402	AbilityEnhancement Course (AEC)/ Co-curricular	SocialResponsibilityandCommunity Engagement/Indian Language	2
SH080404R	Inter/Intra Faculty related to main Subject	Projectontheformulation&executio nof various governmental programs	3
		TotalCredits	23

Note:

1. *TheIDCpaper(6credits)canbeoptedeitherinSemIIIor SemIVbythe students ofotherdisciplines (Otherthan Economics)/Faculty
2. TotalCredits80tillsemester IV

StudentisentitledforDiplomainFacultyafter successfully completionoffour semesters

B.A.HonoursSemesterV			
Sr.	Paper	Courses	Credit
SH080501T	CorePaper-I	MonetaryEconomics	5
SH080502T	CorePaper-II	EconomicsforGrowthandDevelopment	5
SH080503T	CorePaper-III	BasicEconometrics	5
SH080504T		IndustrialEconomics	
SH080505T	CorePaper-IV	EnvironmentalEconomics	
SH080505R	ResearchProject	Inter/IntraFacultyrelatedtomainSubject	5
		TotalCredits	25

B.A.HonoursSemesterVI			
Code	Paper	Courses	Credit
SH080601T	CorePaper-I	ResearchMethodologyinEconomics	5
SH080602T	CorePaper-II	AgricultureEconomics	5
SH080603T	CorePaper-III	EconomyofUttarPradesh	5
SH080604T	CorePaper-IV	EconomicsofInfrastructure	5
SH080605R	ResearchProject	Inter/IntraFacultyrelatedtomainSubject	5
		TotalCredits	25

Note:

1. **TotalCredits130tillsemesterVI**
2. **Studentisentitledforthreeyearssinglesubject(Economics)HonoursUG Degree after successfully completion of six semesters.**

Detailed Syllabus

Economics B.A. (Hons) Sem -I	
Core Paper 1 : **(SH080101T) Microeconomics I** (4 Credits)	
Course Outcomes: • To describe the nature of economics in dealing with the issue of scarcity • Analyze how households (demand) and businesses (supply) interact in various market structures to determine price and quantity of a good produced. • The students will also be made aware of evaluating how microeconomic concepts can be applied to analyze real life situations. • Create & develop the skills to think practically into the economic domain like an economist	
Unit I	**Concepts and Definition** Basic Concepts and Definition of Economics: Nature and Scope of Economics, Basic Concepts- Micro, Macro, Equilibrium and type, Methods of Economics, Static & Dynamics, Central Problems of Economics, Water diamond paradox.
Unit II	**Consumer Behaviour** Meaning and Types of Utility, Assumption, Approaches of Utility, Law of Diminishing Marginal Utility and Law of Equi-Marginal Utility, Budget Line, Consumer's Equilibrium and Concept of Consumer's Surplus.
Unit III	**Demand Function and Elasticity** Law of Demand, Individual and Market Demand Curves, Change and Shift of the Demand Curve, Concept of Elasticity of demand, Price, Income and Cross Elasticity of Demand, Methods of Measuring the Price Elasticity of Demand, Factors affecting Price Elasticity of Demand.
Unit IV	**Indifference Curve** Introduction- Indifference Curve, Assumptions of Indifference Curve, Properties of Indifference Curve, Marginal Rate Of Substitution.

Readings

1. Hal R. Varian, Intermediate Microeconomics: A Modern Approach, W.W Norton & Company.
2. Paul Samuelson, Economics.......
3. Koutsoyiannis: Modern Microeconomics, MacMillan Press Ltd.
4. Maddala and Miller: Microeconomics- Theory and Applications
5. Mankiw: Principles of Economics, Cengage Learning.

Economics B.A. (Hons) Sem -I	
Core Paper 2 : **(SH080102T) Macroeconomics I** (4 Credits)	
Course Outcomes: • Macro Economics-I paper provides elementary theoretical foundation of key issuesand policies. • The paper attempts to discuss the functional relationships between aggregates. • It helps the 1st semester undergraduate honors students to understand the overall structure of the economy in theoretical and contemporary perspective.	
Unit I	**Concept & Scope** Nature, Meaning and Definition of Macro Economics, Significance of MACRO Economics, Limitations of Macro Economics ,Difference Between Micro & Macro Economics.
Unit II	**Circular Flow of Income** Real Flow & Money Flow, Two Sector without Saving Model, Two Sector with Saving Model, Three Sector Model and Four Sectors Model of the Economy, BOP, Current Account and Capital account. Concept of transfer payments.
Unit III	**National Income** Concept of National Income , Definition Of National Income , Different Concepts Of National Income GNP, GDP, NDP, NNP, Disposable Income, Per Capita Income, Methods of Calculation Of NI, Difficulties in Computing NI and Significance of NI.
Unit IV	**Theory Of Employment** Classical Theory of Employment: J.B. Say & Pigou , Simple Income Determination – Keynesian Theory of Employment, Concept of Aggregate Demand & Aggregate Supply, Effective Demand.

Readings

1. David begg, Stanley Fischer and R. Dornbusch, Economic, Tata- McGraw-Hill.
2. David King, An Introduction to National Income Accounting, Edward Arnold.
3. Harvey and Johnson, An introduction to Macro-Economics, Macmillan.
4. Mankiw, Principles of Economics, Cengage Learning.
5. Soumen Sikdar, Principles of Macroeconomics, OUP.
6. Uma Datta Roy Choudhary, National Income Accounting, Macmillan Education Ltd

Economics B.A. (Hons) Sem -I

Core Paper 3 : (SH080103T) **Statistical Methods-I** (4 Credits)

Course Outcomes:

- Statistics plays a vital role in understanding and interpreting the economic data.
- It helps in designing experiments and hence is essential in social science research.
- The knowledge of statistical tools help in understanding the economic data such as the relationship between quantity and price, supply and demand, GDP per capita income of a nation etc.
- It enables students to understand the general concepts related to statistical data, tabular and graphical presentation, measure of central tendency, measure of dispersion, moments, correlation and regression analysis and measure of association in two way classified data.

It helps students to have adequate knowledge of basic applied statistics

Unit I	Introduction to Statistics Nature, Significance and Limitations of Statistics. Methods of Collection of Data, Classification and Tabulation of Data.
Unit II	Diagrammatic and Graphical Representation of Data Bar diagrams - One and two-dimensional diagrams, Frequency Distribution Histogram, Frequency Curve.
Unit III	Measures of Central Tendency Mean, Median and Mode - their Merits and Demerits, Geometric Mean, Harmonic Mean.
Unit IV	Measures of Dispersion Range, Deviation, Standard Deviation Skewness - Karl Pearson's and Bowley's Coefficient of Skewness - Kurtosis.

Readings

1. Murray R. Speigel, Theory and Problems of Statistics, Schaum Publising Series.
2. E. Narayanan Nadar, Statistics, PHI Learning Private Limited, New Delhi.
3. S.C Gupta, Fundamental of statistics, Himalya Publishing House, New Delhi.
4. D. N Elhance, Veena Elhance and B.M Agarwal, Fundamental of statistics, Kitab Mahal, Allahabad.

Economics B.A. (Hons) Sem - I	
Core Paper 3: (SH080104T) Contemporary Economic Issues (4 Credits)	
Course Outcomes: Students will have the capability to understand government policies and will in general be informed participants in economic decision making.	
Unit I	• Fiscal policy, areas of government spending in India.
Unit II	• Capital and revenue expenditure, plan and non-plan expenditures • Deficits (fiscal, primary, revenue), impact of fiscal deficits on the economy • Goods and Services Tax (GST) • Zero-base budgeting • Gender budgeting • Fiscal devolution and centre-state financial relations
Unit III	The economic survey • Analysis of current and past policy emphasis
Unit IV	The union budget • Need for the budget, understanding the process of budget making in India • Analysis of fiscal and revenue deficits • Analysis of sources of revenue and expected growth in revenue

References

Given the nature of the course, the readings will be updated every year.

- Centre for Budget and Governance Accountability. Recent reports.
- Chakraborty, P. (2015). Intergovernmental fiscal transfers in India: Emerging
- trends and realities. In P. Patnaik (ed.): Macroeconomics. Oxford University
- Press.
- Dasgupta, D., De, S. (2012). Fiscal deficit. In The new Oxford companion to
- economics in India. Oxford University Press.
- Kapila, U. (2016). Fiscal and budgetary developments in Indian
- economy since independence. Academic Foundation.
- Ministry of Finance. Economic and social classification of the budget.
- Ministry of Finance. Economic survey (latest).
- Ministry of Finance. Finance Commission report (latest).
- Ministry of Finance. Union Budget.

- Mukherjee, P. (2012). Budget making. In K. Basu, A. Maertens
- (eds.): The new Oxford companion to economics in India. Oxford University Press.
- Mukherjee, S. (2015). Present state of goods and services tax (GST) reform in India. Working Paper No. 154. National Institute of Public Finance and Policy.
- Reddy, Y. (2015). Continuity, change and the way forward: The fourteenth finance commission. Economic and Political Weekly, 50(21), 27-36.
- Spiegel, M. (2003). Theory and problems of probability and statistics. Chapter
- McGraw-Hill.

Economics B.A. (Hons) Sem -I/II	
Minor Course Paper -1: (SH080105T/ ECO80205T) Introduction to Economics (6 Credits)	
Course Outcomes: • Understand the core concepts of scarcity, choice, opportunity cost, and efficiency. • Analyze consumer and producer behavior using demand-supply framework. • Understand how prices are determined in different markets. • Explain the concepts of national income, GDP, inflation, and unemployment. • Analyze economic problems using diagrams and basic mathematical tools.	
Unit I	**Basic Economic Concepts** Scarcity, choice, and opportunity cost, Positive and normative economics, Microeconomics and macroeconomics, Central problems of the economy
Unit II	**Demand and Supply Analysis** Law of demand and determinants, Law of supply and determinants, Market equilibrium and effects of changes in demand/supply, Elasticity of demand (price, income, cross elasticity) Elasticity of Supply
Unit III	**Theory of Consumer Behavior** Utility: Cardinal and ordinal approach, Law of Diminishing Marginal Utility, Law of Equi-Marginal Utility, Indifference curve analysis, Budget constraint and consumer equilibrium
Unit IV	**Production and Costs** Production function: Short-run and long-run, Law of variable proportions and returns to scale, Concepts of cost: Fixed, variable, average, marginal, and total costs, Cost curves in the short-run and long-run
Unit V	**Introduction to Macroeconomics** National income accounting: GDP, GNP, NNP, personal and disposable income, Methods of measuring national income, Circular flow of income, Basic concepts: Inflation, Introduction to monetary and fiscal policy

Readings:

- Mankiw, N. Gregory – ***Principles of Economics*, Cengage Learning**
- Samuelson, Paul A., and Nordhaus, William D. – ***Economics*, McGraw-Hill**
- Case, Karl E., Fair, Ray C., and Oster, Sharon M. – ***Principles of Economics*, Pearson**
- Seth, M.L. – ***Principles of Economics*, Laxmi Publications (for Hindi-medium students)**
- Dutt, Ruddar and Sundaram, K.P.M. – ***Indian Economy*, S. Chand**
- Chopra, P.N. – ***Principles of Economics*, Kalyani Publishers**

Economics B.A. (Hons) Sem -II	
Core Paper 1 : **(SH080201T) Microeconomics II** (4 Credits)	
Course Outcomes: • To Evaluate the factors affecting firm behaviour, such as production and costs • To Analyse the performance of firms under different market structures, • To analyse the economic behaviour of individuals, firms,and markets • Apply micro economic tools in solving socio- economic problems. • Create & develop the skills to think practically into the economic domain like an economist	
Unit I	**Theory of Production** Production Function, Fixed and variable factors, Short and Long Run Production Theory, Law of Variable Proportion- Short Run Production Analysis, Distinction between Scale and Proportion, Concept of Iso-Quant, Production Possibility Curve.
Unit II	**Cost and Revenue** Concept and Types of Cost, Shape of Total Average and Marginal Cost Curves in the Short and Long Run, Interrelationship between Cost Curves. Concept of Revenue,. Break-even Analysis.
Unit III	**Market and Price Determination** Meaning of market , characteristics of market , market structure , forms of market, Perfect Competition- Characteristics, Equilibrium of Firm, Equilibrium of Industry, and Price Determination. Monopoly- Features, Equilibrium and Price or Output Determination under Monopoly,. Nature of Oligopoly, monopolistic competition
Unit IV	**Theories of Distribution** Rent – Types, definitions, Theories of Rent- Classical and Modern , Concept and Theories of Profit and Liquidity Preference Theory of Interest.

Readings:

1. Jeffrey M. Perloff, Microeconomics, Theory and Applications with Calculus,Pearson.
2. Hal R.Varian, Intermediate Microeconomics: A Modern Approach, W.W Norton& Company.
3. Gravell and Rees: Microeconomics,Longman.
4. Mankiw: Principles of Economics, CengageLearning.
5. Pindyck and Rubinfeld: Microeconomics, Pearson EducationLtd.
6. Maddala and Miller: Microeconomics- Theory andApplications
7. KoutsoyiannisA: Modern Microeconomics, MacMillan PressLtd.
8. Watson and Getz: Price Theory and Its Uses,A.I.T.B.S.
9. Gould and Ferguson: Microeconomics Theory,A.I.T.B.S.

Economics B.A. (Hons) Sem -II	
Core Paper 2 : (SH080202T) **Macroeconomics II** (4 Credits)	
Course Outcomes: • Macro Economics paper provides theoretical foundation of some advanced issues and policies. • The paper attempts to discuss the functional relationships between economic aggregates. • It helps understand the overall structure of the economy in a theoretical perspective at higher level. • The students will also be made aware of evaluating how macroeconomic concepts can be applied to analyze real life situations. • Create & develop the skills to think practically into the economic domain like an economist	
Unit I	**Consumption and Income Determination** Consumption Function- Meaning and definitions , theories of consumption function: absolute, permanent, relative and life cycle hypothesis , Investment: Autonomous Investment, induced investment, Multiplier, accelerator
Unit II	**Trade Cycle** Meaning of trade cycle, types, characteristics of trade cycle ,phases of trade cycle, theories of trade cycle : sun spot theory, Hawtrey ,Hayek , innovation , Keynes, Hicks and Samuelson Theory of Trade Cycle
Unit III	**Inflation** Role and Relative Effectiveness of Fiscal and Monetary Policy ,Inflation-Meaning, Characteristics , Causes & Effect of Inflation , How to Check Inflation, Disinflation, Reflation & Stagflation.
Unit IV	**Definition of Money and Unemployment** Functions of Money, M1, M2,M3 , Determination of money supply, Money creation by commercial Banks, Money multiplier, Concept of unemployment, Structural and Frictional unemployment, Cyclical, Involuntary and Voluntary unemployment

Readings

1. Abel and Bernanke: Macroeconomics, Pearson Education.
2. Blanchard and Johnson, Macroeconomics, Pearson.
3. David King, An Introduction to National Income Accounting, Edward Arnold.
4. Dornbusch, Fischer, Startz, MACRO ECONOMICS McGraw- Hill.
5. G. Ackley, Macroeconomics: Theory and Policy, Macmillan.
6. N. Gregory Mankiw- Macroeconomics, Macmillan Worth Publishers.
7. Richard T. Froyen, Macroeconomics, Pearson.
8. Ruggles and Ruggles, National Accounting and Economic Policy, Edward Elgar.
9. Soumen Sikdar, Principles of Macroeconomics, OUP.
10. Thomas F. Dernburg, Macro- Economics: Concepts, Theories & Policies, McGraw-Hill.
11. Uma Datta Roy Choudhary, National Income Accounting, Macmillan Education Ltd.

Economics B.A. (Hons) Sem -II	
Core Paper 3 : (SH080203T) **Statistical Methods-II** (4 Credits)	
Course Outcomes: • Statistics plays a vital role in understanding and interpreting the economic data. • It helps in designing experiments and hence is essential in social science research. • It enables students to understand the general concepts related to Probability, sampling, Correlation, regression, Time series and index number It helps students to have adequate knowledge of applied statistics	
Unit I	Meaning of Probability, Concept and types of events, Addition and Multiplicative theorems of probability. Concept of sampling, Census vs sampling, Laws concerning theory of sampling – Laws of statistical regularity and inertia of large numbers.
Unit II	Meaning and Definition of Correlation, Types of Correlation, Measurement of Correlation. Karl Pearson coefficient of Correlation, Spearman's Rank Correlation coefficient. Meaning of regression, Linear regression lines – X on Y and Y on X, estimation of regression coefficients.
Unit III	Meaning and Types of Index Number, Problems involved in the construction of index number, Laspeyres, Paasche, Fisher's Index Number.
Unit IV	Meaning and components of time series – Trend, Seasonal, Cyclical and Irregular variations, Methods of measurement of trend and seasonal components

Readings

1. D. N Elhance, Veena Elhance and B.M Agarwal, Fundamental of statistics, Kitab Mahal, Allahabad.
2. E. Narayanan Nadar, Statistics, PHI Learning Private Limited, New Delhi.
3. Murray R. Speigel, Theory and Problems of Statistics, Schaum Publising Series.
4 S.C Gupta, Fundamental of statistics, Himalya Publishing House, New Delhi.

Economics B.A. (Hons) Sem - II	
Core Paper 3: (SH080204T) Comparative Economic Development (4 Credits)	
Course Outcomes: By analysing the history of industrialisation and economic transition, students will be able to visualise economic development in a historical perspective and assimilate material from a diverse range of opinions. It will help them to think in an interdisciplinary manner and therefore aid them in jobs were developing and presenting comparative perspectives are key tasks.	
Unit I	Introduction and overview of the countries selected for case studies - Britain, Japan, USSR and USA
Unit II	Agriculture, agrarian and land relations and agrarian surplus in industrialisation and economic development
Unit III	The industrialisation process, the factory system and making of the industrial working class
Unit IV	The role of the state in industrial and developmental transition

References

- Davies, R. (1998). Soviet economic development from Lenin to Khrushchev.
- Chapters 1, 2, 3, 4, 5, 6, 7, 8. Cambridge University Press.
- Dobb, M. (1966). Soviet economic development since 1917. Chapter 17.
- Routledge.
- Hughes, J., Cain, L. (1994). American economic history, 4th ed. Chapters 2, 3,
- 7, 21. Harper Collins College Publishers.
- Hayami, Y. (1975). A century of agricultural growth in pre-war Japan: Its
- relevance to Asian development. Chapters 1, 3. University of Minnesota Press.
- Hobsbawm, E. (1968). Industry and empire: An economic history of Britain
- since 1750. Chapters 1, 2, 3, 5, 6, 12. Weidenfeld & Nicholson.
- Hobsbawm, E. (1984). Worlds of labour: Further studies in the history of
- labour. Chapter 11. Weidenfeld & Nicolson.
- Johnson, C. (1982). MITI and the Japanese miracle: The growth of industrial
- policy 1925-1975. Chapter 1. Stanford University Press.
- Macpherson, W. (1995). The economic development of Japan 1868-1941.
- Chapters 1, 2, 3, 4, 6. Cambridge University Press.
- Norman, E. (2007). Japan's emergence as a modern state: Political and
- economic problems of the Meiji period. Chapters 3, 4. University of
- British Columbia Press.
- Okochi, K., Karsh, B., Levine, S. (1974). Workers and employees in

- Japan: The Japanese employment relations system. Chapter 13. Princeton
- University Press.
- Paul, G., Robert, C. (1990). Soviet economic structure and performance, 3rd
- ed. Chapters 4, 7. Harper and Row.
- Tauger, M. (2004). Soviet peasants and collectivization 1930-39: resistance
- and adaptation. Journal of Peasant Studies, 31: 3-4. 427-456.

Economics B.A. (Hons) Sem -III	
Core Paper 1 : **(SH080301T) Nature of the Indian Economy**(4 Credits)	
Course Outcomes: • Contemporary Issues in Indian Economy shall provide basic knowledge on national income accountings, various issues involved in agricultural, industrial, financial, trade sectors, public institutions, and finally human resources development. • The course acquaints the students with the policy regimes, structure and sectoral trends of Indian economy The course helps students to understand the basic issues in economic development • It will enhance student's understanding of the Indian economy at the time of independence • Students will have capability to understand government policies and will enable informed • participation in economic decision making • It will help in improving employment prospects and career advancement of the students	
Unit I	**Underdevelopment** Meaning and Magnitude – low income and good potential, main characteristics, causes of backwardness, natural resources, human resources and capital formation, developed economy, economic planning.
Unit II	**Characteristics of the Indian Economy** Demographic features of India's Population, Demographic trends and issues, importance and scope of demography, the theory of demographic transition, migration, urbanization.
Unit III	**Basic Issues and Major Institutions** Poverty and issues related with poverty: absolute and relative, Gini coefficient, Lorenz curve, concept of poverty line, A.K. Sen approach of poverty, Unemployment, Strategies for eradicating Poverty and generating Employment; NITI Aayog, Finance Commission.
Unit IV	**Contribution of agriculture in economic development –** Main Crops, Cropping Pattern, Crop Rotation, Size of Farms, Land Reform in India after Independence, Drip Irrigation, Fertigation, Agriculture Finance, NAFED, MSP, Food Corporation of India, Green Revolution

Readings

1. Agrawal, A. N. and M. K. Agarwal: Indian Economy: Problems of Development and Planning, New Age International Pvt Ltd (Latest edition)
2. Kapila, Uma: Economic Development and Policy in India, Academic Foundation, New Delhi.(Latest edition)
3. Economic Survey: Government of India: Various Issues.

Economics B.A. (Hons) Sem -III	
Core Paper 2 : (**SH080302T) Public Finance** (4 Credits)	
Course Outcomes: • The overall outcome of the course is the development of an understanding of public sector financial resources. • Acquaintance with the phenomenon of externality and the role of government. • An understanding of the mechanics of government budget. • Considering the increasing role of Government in economy, this course aims to generate theoretical and empirical understanding of students about different aspect of Governmental activities and their rationality. • It covers fundamental concepts of public economics, public expenditure, public revenue, and public debt with special reference to Indian economy.	
Unit I	Meaning and Scope of Public finance Meaning and Scope, Public and Private Finance, Principles of Maximum Social Advantage, Concepts of Public Goods, Private Goods, Giffen Goods and Merit Goods.
Unit II	Public Expenditure Meaning and Importance – Reasons for the Growth of Public Expenditure – Wagner's Hypothesis, Peacock - Wiseman Hypothesis, Canon's of Public Expenditure – Effects of Public Expenditure.
Unit III	Public Revenue Meaning and Sources of public revenue, Taxes -Classification of Taxes, Canons of Taxation, Principles of Taxation, Ability and Benefit approach, Impact, Incidence and shifting of Tax Burden, Effects of Taxation, Major Taxes in India. Value Added Tax
Unit IV	Public Debt and Budget: Meaning ,Types of Public Debt, Debt Redemption. Budget, Meaning, Types of Budgets: Revenue and Capital Budget, Revenue Expenditure and capital expenditure, Revenue Deficit, Fiscal Deficit, Deficit financing, Preparation of Budget in India.

Readings

1. D.K Srivastava, Issues in Indian Public Finance, New Century Publications, 2005.
2. Hugh Dalton, Principles of Public Finance, Rotledge, reprinted,2013.
3. Jonathan Gruber, Public Finance and Public Policy, Worth Publishers,2009.
4. R.A Musgrave and PB Musgrave, Public finance in Theory and Practice, Tata MacGrawHill.
5. Raghbendra Jha, Modern Theory of Public Finance, New AgeInternational publishers,2010.

Economics B.A. (Hons) Sem -III

Core Paper 3 : (SH080303T) Mathematics for Economics (4 Credits)

Course Outcomes:

- Understand and apply basic mathematical concepts in Economics.
- Use functions and graphs to represent economic models.
- Solve real-life economic problems using sequences, series, and matrices.
- Develop logical reasoning and problem-solving skills through quantitative methods.
- Prepare for advanced coursework in economics by establishing robust mathematical and analytical skills essential for economic research and applications.
- Enhance critical thinking by employing quantitative techniques to evaluate economic scenarios and make data-driven decisions.

Unit I	**Basic Concepts of Numbers and Algebra** Algebraic expressions and identities • Factorization and simple equations • Linear equations in one and two variables (economic examples like cost-revenue equations)
Unit II	**Functions and Variables** • Concept of functions and variables • Types of functions: linear, quadratic, and exponential • Graphical representation of functions • Application in economics: demand and supply curves, cost and revenue functions
Unit III	**Sequences, Series, and Progressions** • Arithmetic progression (AP) • Geometric progression (GP) • Harmonic Progression (HP)
Unit IV	**Applications for AP, GP and HP** • Applications in calculating economic growth and installments • Introduction to compound interest (economic applications)

Readings

1. "Introductory Mathematical Economics", Author: Dr. J.P. Singh Publisher: Himalaya
2. "Mathematics for Economists", Author: R.G.D. Allen (Indian reprint available), Publisher: Macmillan India
3. "Mathematics for Economics and Business", Author: V. Aggarwal, Publisher: VK Global Publications
4. "NCERT Mathematics – Class XI and XII", Publisher: NCERT
5. "Mathematics for Class 11 & 12 (Commerce/Economics stream)", Author: R.D. Sharma, Publisher: Dhanpat Rai Publications
6. "Business Mathematics and Statistics", Author: N.G. Das & J.K. Das, Publisher: McGraw Hill / Tata McGraw Hill
7. "Quantitative Techniques", Author: Khandelwal and Gupta, Publisher: Ajmera Book Company (Jaipur)

Economics B.A. (Hons) Sem - III	
Core Paper 3: (SH080304T) Development Economics (4 Credits)	
Course Outcomes: This course teaches the student various aspects of the Indian economy, as well as important themes relating to the environment and sustainable development. It also introduces them to some issues of globalization.	
Unit I	Demography and Development Demographic concepts; birth and death rates, age structure, fertility and mortality; demographic transitions during the process of development; migration
Unit II	Land, Labour and Credit Markets The distribution of land ownership; land reform and its effects on productivity labor productivity; informational problems and credit contracts; microfinance; inter-linkages between rural factor markets
Unit III	Environment and Sustainable Development Defining sustainability for renewable resources; a brief history of environmental change; common-pool resources; environmental externalities
Unit IV	Globalization in historical perspective; the economics and politics of multilateral agreements; financial instability in a globalized world

References

- Banerjee, A., Benabou, R., Mookerjee, D. (eds.) (2006). Understanding poverty. Oxford University Press.
- Dasgupta, P. (2007). Economics: A very short introduction. Oxford University Press.
- Kolstad, C. (2012). Intermediate environmental economics. Oxford University Press.

Economics B.A. (Hons) Sem -III/IV	
Minor Course Paper -2 : (SH080305T/ SH080405T) Indian Economy (6 Credits)	
Course Outcomes: • Understand the key characteristics and structural changes in the Indian economy. • Analyze sectoral contributions and interlinkages in economic development. • Evaluate the impact of reforms and policies on economic growth and equity. • Discuss critical issues like poverty, unemployment, and sustainable development. • Develop an informed opinion on current economic trends and policy debates.	
Unit I	**Structure and Overview of the Indian Economy** • Features of the Indian economy: Demographic profile, human capital • Trends in national income and per capita income • Planning in India: Objectives and achievements (Brief overview) • NITI Aayog: Role and functioning
Unit II	**Agriculture and Rural Development** • Role of agriculture in Indian economy • Institutional reforms: Land reforms, Green Revolution • Rural development programs and MGNREGA
Unit III	**Industry and Services Sector** • Industrial development: Role, trends, and policy • Small-scale and MSMEs: Importance and challenges • Make in India and Start-Up India initiatives • Growth of service sector: Composition and future prospects
Unit IV	**Economic Reforms and Globalization** • 1991 Economic Reforms: Liberalization, Privatization, and Globalization • FDI and FII: Trends and policies • WTO and its impact on Indian economy
Unit V	**Current Challenges and Policy Issues** • Poverty, inequality, and unemployment: Concepts and measures • Sustainable development • Social sector: Education, health, and gender development indicators

Readings:

1. **Uma Kapila** – *Indian Economy: Performance and Policies*, Academic Foundation
2. **Mishra, S.K. & V.K. Puri** – *Indian Economy*, Himalaya Publishing House
3. **Ramesh Singh** – *Indian Economy*, McGraw-Hill Education
4. **Dutt, Ruddar and K.P.M. Sundaram** – *Indian Economy*, S. Chand
5. **Economic Survey** (Latest) – Ministry of Finance, Government of India
6. **NITI Aayog Reports** and **Budget Documents** (Government of India)
7. **Basu, Kaushik** – *An Economist's Miscellany*, Oxford University Press
8. **Chakravarty, S.** – *Development Planning: The Indian Experience*, Oxford

Economics B.A. (Hons) Sem -IV	
Core Paper 1 : (SH080401T) **Economic Thought-I** (4 Credits)	
Course Outcomes: • The study of economic thought is the study of the philosophies of different thinkers and theories in the subject that later became political economy and economics. • Understanding about the origin and development of economic ideas and their interrelations. • Familiarity about how economic thought has evolved overtime with a critical comparison of the major contributions. Learning of the fact that history of economic ideas is different from economic history and history of economics. • Understanding of the ancient and medieval economic thoughts, such as Mercantilism and Physiocracy. • The study of economic thought is important as it connects us with the ancient times and helps us to understand the origin of economics.	
Unit I	**Nature, Importance of Economic thought and Economic Views of Traditionalists** Kautiliya, Dada Bhai Naroji , R C Dutta, B. R Ambedkar , R M Lohia , Pandit Deendayal Upadhaya , J K Mehta , Amartya Sen , Jagdish Bhagwati
Unit II	**Mercantilism & Physiocracy** Mercantilism: Main Characteristics; Thomas Munn - Physiocracy: Natural Order, Primacy of Agriculture, Social Classes, Tableau Economique, Taxation, Turgot - Economic ideas of Petty, Locke and Hume
Unit III	**Classical Period** Adam Smith - Division of Labour, Theory of Value, Capital Accumulation, Distribution, Views on Trade, David Ricardo :Distribution, Ideas on International Trade; Thomas R. Malthus: Theory of Gluts , Population Theory.
Unit IV	**Neo-Classical** Marshall as a Great Synthesizer: Role of Time in Price Determination, Economic Methods, Ideas on Consumer's Surplus, Elasticity, Representative Firm, Quasi-Rent, Pigou: Welfare Economics; Schumpeter.

Readings

1. Clair, St. Oswald, A key to Ricardo.
2. Dobb, Maurice, Theories of value and Distribution since Adam Smith.
3. Eric Roll, A History of Economic Thought.
4. Gide and Rist, History of Economic Doctrines
5. J.G Backhaus, Handbook of the History of Economic thought.
6. Mark Blaug, Economic Theory in Retrospect.

Economics B.A. (Hons) Sem -IV

Core Paper 2 : **(SH080402T)** International Trade: Theory and Policy (4 Credits)

Course Outcomes:

- This provides strong theoretical background to the students about international trade.
- Students learn about the classical trade models in money terms, classical trade model for multiple goods and multiple countries and understand the role of transportation cost in trade.
- Besides theory they also learn about the empirical relevance of Ricardo's model.
- It also helps to understand the empirical aspects such as trade reforms and their impact on India economy.
- Students will learn about various instruments of trade policies and about the costs and benefits of imposition of tariff, and about the advantages and disadvantages of free trade.

Unit I	**Introduction** Importance and nature of the study of international economics, Salient feature of International Trade, Advantage of International Trade. Inter-Regional and international trade.
Unit II	**Theories of International Trade** Adam Smith's theory of absolute advantage, Ricardian theory, Heckscher- Ohlin model, New trade theories.
Unit III	**Commercial Policy** Free Trade policy instruments, Protection Policy , quota, tariff, non-tariff barriers, Devaluation, Exchange Control, WTO and trade policies in developing countries.
Unit IV	**Terms of Trade** Meaning, types – Net Barter, Gross Barter, Income, Single Factorial, Double Factorial, Real Cost and Utility Terms of Trade. Concept of offer curve, determination of terms of trade, trends of terms of trade, terms of trade with respect to developing countries. Intra-Inter Industries.

Readings

1. Dominick Salvatore, International Economics: Trade and Finance, John Wiley International Student Edition,10th edition,2011.
2. Paul Krugman, Maurice Obstfeld and Marc Melitz, International Economics: Theory and Policy, Addison-Wesley (Pearson Education India Edition), 9th edition,2012.
3. Peter B Kenen, The International Economy, Cambridge University Press, 2000,Fourth Edition.
4. Sodersten and Reed , International Economics, Macmillan, 1994, Third Edition

Economics B.A. (Hons) Sem -IV	
Core Paper 3 : **(SH080403T) BANKING** (4 Credits)	
Course Outcomes: • This provides strong theoretical background to the students about financial system and Fundamental banking principles . • Students learn about the inter-relationship among money supply. • Understanding about the origin and development Indian Banking System . • Students will learn about Financial Sector Reforms in India.	
Unit I	**INTRODUCTION** The financial system, meaning, structure and importance. Indicators of financial development. Fundamental banking principles. Unit, Branch, mixed and consortium banking.
Unit II	**INTER-RELATIONSHIP AMONG MONEY SUPPLY:-** National income. Role of central bank in developed and developing countries techniques and problems of monetary management. Monetary policy in developing countries with special reference of India.
Unit III	**INDIAN BANKING SYSTEM AS ON THE EVE OF BANK NATIONALIZATION:** Structure and development of commercial banking in India since 1969.Branch expansion programme and policy. Diversification of banking business. Regional disparities in commercial banking development.
Unit IV	**FINANCIAL SECTOR REFORMS IN INDIA: -** Rural Banking- An overview of the progress of main credit co-operative institutions. Regional rural banks and its importance in changing environment. NABARD, structure of development banks in India. IFCI, IDBI, UTI and LIC.

READINGS:-

- S.B. Gupta: Monetary Economics. Oxford.
- R.S. Sayers: Modem Banking
- A.K. Basu: Fundamentals of Banking Theory and Practice.
- P.N. Reddy and H.R. Appannaiah: Banking Theory and Practice
- Jhingan M.L. Monetary Economics.
- M.C. Vaish: Modem Banking
- S.G. Panandiker: Banking in India.
- S.K. Muranjan: Modern Banking in India.
- K.N. Raj: The Monetary Policy of RBI.

Economics B.A. (Hons) Sem -IV

Core Paper 3: (SH080404T) Public Policy &Digital Humanities (4 Credits)

Course Outcomes:

- Gain a foundational understanding of public policy concepts and digital humanities approaches.
- Develop the ability to analyze how digital technologies influence policy formulation and implementation.
- Explore the integration of humanities with digital tools to address social and political issues.
- Learn to use digital methods for interpreting public records, cultural data, and historical texts.
- Evaluate ethical, social, and technological implications of digital practices in governance and policymaking.

Unit I	Introduction to Public Policy, A Digital Humanities Overview,. Public Policy Research Methodologies and Digital Humanities,Digital Ethics and Literacy , Study of Public Policy , Tools and Methods for Digital Humanities
Unit II	Policy Implementation and Assessment , Social Justice and Digital Humanities, Public Policy Data Analysis and Digital Humanities,Digital Storytelling and Public Engagement ,Policy Advocacy and Communication Digital Humanities and Cultural Heritage
Unit III	Public Sector Management and Governance ,Environmental Studies and Digital Humanities, Quantitative Approaches in Digital Humanities and Public Policy, Digital Archives and Preservation , Innovative Policy Design, Literature and the Digital Humanities
Unit IV	Historical and digital humanities , Comparative Public Policy and Digital Humanities in Semester Four, Education and Digital Humanities,Qualitative Approaches in Digital Humanities and Public Policy Arts and Digital Humanities ,Technology and Policy

Readings:

- Aladyshkin, I., Anosova, N., Kulik, S. and Ulyanova, S., 2019, September. Digital humanities: prospects for knowledge transfer. In *International conference on digital technologies in logistics and infrastructure (icdtli 2019)* (pp. 375-379). Atlantis Press.
- Anderson, J.E., Moyer, J. and Chichirau, G., 2022. *Public policymaking*. Cengage Learning. Bulmer, M.I., Lewis, J. and Piachaud, D. eds., 2022. *The goals of social policy*. Routledge.
- Dobson, J.E., 2019. *Critical digital humanities: the search for a methodology*. University of Illinois Press. Fiormonte, D., Chaudhuri, S. and Ricaurte, P. eds., 2022. *Global debates in the digital humanities*. U of Minnesota Press.
- Gefen, A., Saint-Raymond, L. and Venturini, T., 2021. Ai for digital humanities and computational social sciences. *Reflections on Artificial Intelligence for Humanity*, pp.191-202.
- Hawkins, A., 2022. Archives, linked data and the digital humanities: increasing access to digitised and born-digital archives via the semantic web. *Archival Science*, 22(3), pp.319-344.
- Hill, M. and Varone, F., 2021. *The public policy process*. Routledge.
- Knill, C. and Tosun, J., 2020. *Public policy: A new introduction*. Bloomsbury Publishing.
- Ridolfo, J. and Hart-Davidson, W. eds., 2019. *Rhetoric and the digital humanities*. University of Chicago Press.
- Williams, B., 2020. *Social policy* (pp. 143-162). Biteback.

Economics B.A. (Hons) Sem -V	
Core Paper 1 : **(SH080501T) Monetary Economics** (5 Credits)	
Course Outcomes: • Considering the fast development of Indian financial sector and increasing role of monetary policy • Paper aims to generate theoretical and applied understanding of monetary economics. • Whole syllabus is divided in to three parts. First two modules cover the advanced economic theories and rest two covers financial institutions and monetary policy, respectively. • Understand about the basics of open economy macroeconomics. Develop knowledge and understanding of theory and concepts of financial market system	
Unit I	**Money** Concept, Definition, functions, Monetary Standards; Gresham's Law, Monetary and Liquidity measures, Value of Money: Fisher and Cambridge approaches; Introduction to Modern Quantity Theory, Demonetization, and its Effects.
Unit II	**Inflation** Inflation: Definition and Types, Inflationary Gap, Demand Pull vs Cost Push inflation, Structural theories of Inflation, Effects of inflation and Concept of Stagflation.
Unit III	**Commercial Banking System** Meaning and types; Functions of commercial banks; the process of credit creation and its limitations; Balance sheet and Portfolio management, Indian banking system: Changing role and structure; Banking sector reforms.
Unit IV	**Central Banking and Monetary Policy** Functions of a central bank; Quantitative and qualitative methods of credit control, monetary policy: objectives, indicators and instruments of monetary control, current monetary policy of India, limitations of monetary policy.

Readings:

1. Carl E. Walsh, Monetary Theory and Policy, MIT Press, Cambridge, 3rd edition, 2010.
2. Jadhav Narendra, Monetary Economics for India, Macmillan,1994.
3. Jagdish Handa, Monetary Economics, Routledge, 2nd edition,2009.
4. K.K Kurihara, Monetary Theory and Public Policy, Routledge, paperback edition, 2010.
5. M. R. Baye and D. W. Jansen, *Money, Banking and Financial Markets*,AITBS,1996.
6. Rakesh Mohan, Growth with Financial Stability- Central Banking in an Emerging Market.
7. S.B Gupta, Monetary Economics, S. Chand & Company, New Delhi, third edition, reprint,1995.

Economics B.A. (Hons) Sem -V	
Core Paper 2 : **(SH080502T)** Economics for Growth and Development (5 Credits)	
Course Outcomes: • The paper provides fundamental foundation of basic growth and development issues, approaches, and models. • The paper attempts to discuss the structure and change in variables. • It helps understand and the overall static and dynamic perspectives of the economy in a purely theoretical perspective. • Familiarity with the wide-ranging policy issues and theories in growth economics	
Unit I	Meaning and Measurement of Economic Growth and Development, Measuring Development and Development Gap, GDP, GNP, Per Capita Income, Factors affecting Economic growth and Development.
Unit II	Lewis model of labour surplus economy, Rosentein Rodan's theory of Big Push, Nelson's Level equilibrium trap, balanced vs Un-balanced growth, Rostow's stages of growth, Harrod and Domar Growth models.
Unit III	Development & Underdevelopment: an Overview; The Characteristics and Explanations Of Underdevelopment- Vicious Circle of Poverty, Circular Causation, Dualism-Social, Technological, Financial, Organizational, Model of Dual Economy, Lewis, Ranis-Fei, Jorgenson, Dependency Theories of Underdevelopment.
Unit IV	International Trade, Aid and Finance in the Development of Developing Countries-with special reference to India. FDI & FII, Role of Technology Transfer and Multinational Corporations in promoting development in development of developing countries-with Special Reference to India

Readings

1. A.P Thirlwal, Economics of Development, Palgrave macmillan, Ninth Edition,2014.
2. Charles I. Jones Introduction to Economic Growth, Viva-Norton StudentEdition, second edition,2013.
3. Gerald M. Meier, Leading Issues in Economic Development, OUP, Eighth edition, 2010.
4. Todaro and Smith, Economic Development, Pearson Education Ltd., Eighth Edition, 2009.

Economics B.A. (Hons) Sem -V	
Core Paper 3 : **(SH080503T) Basic Econometrics** (5 Credits)	
Course Outcomes: • This is a course in linear regression analysis. • It deals with the application of statistical tools for estimating economic relationships, testing economic hypotheses and forecasting. • Estimate and interpret the parameters of multiple regressions. • Test for misspecification and parameter restrictions • Workout solutions for violations of classical assumptions • Suggest methods for choosing between models • Specify dummy variables to reflect shifts and links in relationships	
Unit I	**Introduction to Econometrics** Definition and scope of Econometrics, Branches of Econometrics (Theoretical and Applied), Goals of Econometrics, Random variables and its rationale, Deterministic and Stochastic models. Econometric model and its stages - specification, estimation, evaluation of parameters and forecasting power of model.
Unit II	**Statistical Inference** Normal Distribution (Properties, Probability Density Function, its Parameters), Estimation of Parameters, Formulation of Hypothesis, Testing of Hypothesis, Type I and Type II error, Power of a test.
Unit III	**Simple Linear Regression** Classical Assumptions- Stochastic and other assumptions, OLS method and Estimation of parameters by OLS, Properties of a good estimator, Gauss Markov Theorem, Goodness of fit of the econometric model, standard error test, t and F-tests.
Unit IV	**Variable Relationships: Additional Aspects** Transformation of Variables – Log-Log transformation and estimation of elasticity, Semi-log Transformation and estimation of growth rate, Reciprocal Transformations – Cases of rectangular hyperbola and Phillips's curve. Autoregressive model, its estimation, Stationary and Non-Stationary series and concept of unit root.

Readings

1. A. Koutsoyiannis, Theory of Econometrics, 2nd edition, Macmillan.
2. Damodar Gujarati , Dawn C Porter and Sangeetha Gunasekar, Basic Econometrics, 5th edition, Tata McGraw-Hill Education Pvt.Ltd,2013.
3. J. Johnston, Econometric Methods, 2nd edition, McGraw-Hill.
4. Johnston & Dinardo, Econometric Methods, 4th edition, The McGraw-Hill Companies, Inc.
5. Nagar, A.L and R.K Das, Basic Statistics, 2nd edition, Oxford University Press,1976.

Economics B.A. (Hons) Sem -V	
Core Paper 3: (SH080504T) Industrial Economics (5 Credits)	
Course Outcomes: This paper introduces to students with concept of firms and its structure. The students will learn how location of industry is determined by different location theories and different types of project appraisal techniques.	
Unit I	INTRODUCTION TO INDUSTIRAL ECONOMICS Concept and Organization of a firm - Ownership control and objectives of a firm, Passive and active behaviour of firm, Size, Growth, Profitability, Productivity, Efficiency and Capacity Utilization - Concept and measurement. Industrial policy, Classification of industries in India, Role of Public and private sectors; Recent trends in Indian industrial growth.
Unit II	LOCATION AND REGIONAL DEVELOPMENT OF INDUSTRY Determinants of Industrial Location - Technical, economic, infrastructural and other factors. Theories of industrial location - Weber, August Losch, Sargant Florence, Development of Backward Regions -Government Policy and approach for the development of backward regions.
Unit III	INDUSTRIAL STRUCTURE AND LABOUR Alternative Patterns of Industrialization - Hoffman's hypothesis of capitalistic economies - Simon Kuznet's interpretation - Industrialization and planned economies - Cheney's Patterns of industrial changes. Structure of industrial labour, Industrial relations, Exit policy, Social Security Measures and Labour Reforms in Indian Context.
Unit IV	PROJECT APPRAISAL AND INDUSTRIAL FINANCE Project Appraisal Techniques – CBA, NPV and IRR; Sources of Industrial Finance - Owned, external and components of funds; Nature, Volume and Types of institutional finance – IDBI, IFCI, SFCs, SIDC, Commercial Banks.

Readings:

- Barthwal, R.R: Industrial Economics (Wiley Eastern Ltd, New Delhi, 1985)
- Cherunilam F: Industrial Economics: Indian Perspective (3rd Edition) (Himalaya Publishing House, Mumbai,
- 1994)
- Ahluwalia, I.J: Industrial Growth in India (Oxford University Press, New Delhi, 1985)
- Desai B: Industrial Economy in India (3rd Edition) (Himalaya Publishing House, Mumbai, 1999)
- Divine P.J & R.M Jones et. Al: An Introduction to Industrial Economics (George Allen and Unwin Ltd, London,

Economics B.A. (Hons) Sem -V	
Core Paper 4 : **(SH080505T) Environmental Economics** (5 Credits)	
Course Outcomes: • This course is meant to give the student an exposure to different debates and approaches in environmental economics. • It provides the student for understanding the diverse frameworks, national and global environmental problems, analytical tools, Institutional and regulatory mechanisms etc. • To become familiar with various methods of measurement of environmental resources • To understand the Global Environmental Issues and Development • To understand the linkage of Environment and Health. • To understand the linkage of Environment and Trade	
Unit I	Introduction Environmental Economics – Nature and Scope, Market Failure, Externalities, Economic Development and Environment, Kuznets Curve.
Unit II	National Resources and Sustainable Development National Resources and Depletion of Natural Resources; Concept of sustainable development; Uncertainty and rate of resource extraction; living standard and sustainable development.
Unit III	Global Environmental Challenges and Policies Global environmental challenges; Global warming, Ozone depletion; Causes and consequences of environmental degradation; Pollution mitigating efforts and policies.
Unit IV	Domestic Environmental Issues and Policies Environmental Issues in India; Environmental Policies in India, Forest conservation and protection; Biodiversity: People participation and current issues in environment.

Readings

- Baumol, W.J. and W.E. Oates (1988), The Theory of Environmental Policy,(2nd Edition), Cambridge University Press, Cambridge.
- Bromely, D.W.(Ed) (1995), The Handbook of Environmental Economics, Wiley- Blackwell, London.
- Charles D. Kolstad (2009), Intermediate Environmental Economics, OUP.
- Charles D. Kolstad (2011), Environmental Economics, OUP.
- Fisher, C.(1993), Resource and Environmental Economics, Cambridge University Press, Cambridge, digitally reprinted,2008.
- Hanley, N., J.F. Shogern and B. White (1997), Environmental Economics in Theory and Practice, Macmillan.
- Hussen, A.M.(1999), Principles of Environmental Economics, Routledge, London
- M. Karpagam (2010), Environmental Economics, Sterling publishers, 2nd edition.
- T Eugine (2005), Environmental Economics, Paperback edition, Vrinda Publications, New Delhi.

Economics B.A. (Hons) Sem -VI

Core Paper 1 : (SH080601T) Research Methodology in Economics (5 Credits)

Course Outcomes:

- This is a course for studying various methods for conducting social science research.
- It deals with various approaches, methods, tools and techniques. Further, it deals with basic knowledge on computer, data, and estimation of statistical tools by using software and analyzing the results of economic relationships, testing economic hypotheses and forecasting.
- To become familiar with basic knowledge research methodology and sampling techniques.
- To become familiar with basic knowledge on computer, with statistical software, to draw distributive tables, graphs, trend lines.
- To estimate the parameters of multiple regressions with the help of software and interpret.

Unit I	Meaning, nature, scope and objectives of social research; Identification of Research problem-objectives, hypothesis, stages of scientific research; Motivating factors of social research.
Unit II	**Research Design** Meaning and need of research design; Types of research design (only introduction) – descriptive, exploratory, diagnostic and experimental
Unit III	**Data Collection** Facts-features; Primary data collection methods – Direct observation, questionnaire, schedule, interview; Secondary data collection methods – Personal documents, public documents, and Limitations.
Unit IV	**Data Presentation, Analysis and Report Writing** One- dimensional diagrams; Two- dimensional diagrams; Graphs of time series; Graphs of frequency distribution, Types of Reports- Research Report Format- Documentation: Footnotes and Bibliography- Writing the Report- Presentation, Research Ethics.

Readings

- Ghosh, B.N.: Scientific Methods and Social Research, Sterling Publishers Pvt. Ltd, New Delhi,1982.
- Goode William J. and Hatt, Paul, Methods in Social Research, McGraw Hill, New York.
- Gopal M.H.: An Introduction to Research Procedure in Social Sciences, Asia Publishing House, Bombay,1964.
- Gupta S.P (1988) –Statistical Methods- Sultan Chand &Sons, Delhi.
- Gupta, S. C. (1993), Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.
- Hans Raj : Theory and Practice in Social Research, Surjeet Publication, New Delhi, 1979.
- Kothari C.R, (1988) Research Methodology Method and Techniques, Wiley Eastern Limited, New Delhi
- Sadhu A.N. and Singh Amarjit : Research Methodology in Social Sciences, Himalaya Publishing House, Bombay,1980.
- Tandon B.C. : Research Methodology in Social Science, Chaitanya Publishing House, Allahabad,1979.

Economics B.A. (Hons) Sem -VI	
Core Paper 2 : **(SH080602T) Agriculture Economics** (5 Credits)	
Course Outcomes: • This course is meant to give the student an exposure to role of agriculture in economic growth and development in India . • It provides the student for understanding Employment Elasticity in Indian Agriculture . • To understand the linkage of Labour in Agriculture. • To understand the linkage of role of Credit in Agricultural Development . • To become familiar with Current Issues in Indian Agriculture.	
Unit I	Role Of Agriculture in Economic Growth and Development in India. Backward, Forward Linkage between Agriculture and Industry, Approaches towards Agriculture And Allocation of Resources under Different Plans in India. Employment Elasticity in Indian Agriculture, Challenges & Issues Regarding Agricultural Area Expansion, Production and Productivity in India (With Focus On Post Reform (Post 1991 & 1995) Period.
Unit II	Labour in Agriculture- Interlocking of Factor Markets, Labour and Work Force in Rural Farm and Non-Farm Sectors. Agricultural Labour- Problem and Policy. Concept and Measurement of Rural Poverty & Employment, Poverty Alleviation Programmes (in brief-the Objectives, Achievements & the Shortcomings).
Unit III	Role of Credit in Agricultural Development, Institutional & Non-Institutional Sources of Credit in India, Cooperative Movement in India (In Brief). Role of Schedule Commercial Banks, Lead Banks, Regional Rural Banks and NARBAD to Promote Agricultural Development.
Unit IV	Current Issues in Indian Agriculture- Poverty & Food Security in India, Agro- Subsidies in India, Subsidy Vs Public Investment.

Reading

- Acharya, S. S. and Agarwal, N. L.(1994). Agricultural Price Policy. Oxford and IBH Publishing Co. New Delhi.
- Acharya, S. S. and Agarwal, N. L.(1999). Agricultural Marketing in India. Oxfordand IBH Publishing Co. New Delhi.
- G. E. Shephard. Agricultural Price Analysis. Iowa State University Press, Ames, Iowa.
- G.Datt and A. Mahajan (2017), Indian Economy, 72nd edition, S.Chand, New delhi.
- Kohls, R. L. and Joseph, N. Uhl. (1980). Marketing of Agricultural Products, Collier Macmillan, New York.
- Reddy, S. and Raghu Ram, P. Agricultural Finance and Management. Oxford and IBH, New Delhi.
- Singh,Sadhu and Singh (2013), Fundamentals of Agricultural Economics,Himalya Publishing house, Delhi

Economics B.A. (Hons) Sem -VI

Core Paper 3 : (SH080603T) Economy of Uttar Pradesh (5 Credits)

Course Outcomes:

- Students will be able to describe the structural composition of the economy of Uttar Pradesh, including the role of the primary, secondary, and tertiary sectors.
- Students will be able to explain demographic trends and human development indicators in Uttar Pradesh and their impact on the state's economy.
- Students will be able to analyze the performance of agriculture in the state with reference to land use, cropping patterns, irrigation, and government policies.
- Students will be able to identify key industries and industrial areas of Uttar Pradesh and evaluate the role of industrial development in economic growth.
- Students will be able to assess the development of the service sector, including tourism, education, health, transport, and information technology.
- Students will be able to interpret government policy initiatives and budgetary trends of the Uttar Pradesh government with reference to economic planning and fiscal management.

Unit I	Overview of Uttar Pradesh Economy Nature, Features, Demographic Profile, Status of Natural Resources, Major Factors affecting growth and development in Uttar Pradesh: economic and non-economic factors in economic development of Uttar Pradesh.
Unit II	Pattern of Growth Growth pattern of Uttar Pradesh economy; Sectoral pattern of Growth pattern in Uttar Pradesh; Economic growth in Uttar Pradesh and Indian economy: A comparison; Infrastructural development of Uttar Pradesh.
Unit III	Agricultural and Rural Development Agricultural and Rural development in Uttar Pradesh; Pattern of land-holding and irrigation; production and productivity in agriculture, Farm mechanization, agricultural credit, Agricultural policy and strategies in Uttar Pradesh, Rural Development – Problems and Policies.
Unit IV	Industry and Service Sectors Industrial and service sector development in Uttar Pradesh. Major industries in Uttar Pradesh, Pattern of Industrial Development in Uttar Pradesh, Industrial Policy in Uttar Pradesh, Growth pattern of Services sector.

Readings

1. M K Agarwal , Uttar Pradesh ka Arthik Vikas.
2. Publications of the Government of UttarPradesh.
3. Uttar Pradesh Human Development Report, UNDP,2008.
4. Uttar Pradesh State Development Report, Volume I & II, State Plan Division, Planning Commission, Government of India,2014.

Economics B.A. (Hons) Sem -VI

Core Paper 4 : (**SH080604T**) Economics of Infrastructure (5 Credits)

Course Outcomes:

- Students will be able to understand the concept, role, and importance of infrastructure in economic development, with a focus on both physical and social infrastructure.
- Students will be able to analyze the nature and characteristics of public utilities and assess the rationale for public sector participation in infrastructure provision.
- Students will be able to examine the economic and regulatory aspects of key infrastructure sectors such as energy, transport, and telecommunications.
- Students will be able to evaluate the importance of urban and rural infrastructure in promoting inclusive and sustainable development.
- Students will be able to assess various models of infrastructure financing, including public-private partnerships (PPP), and understand the role of institutions involved in infrastructure planning and funding.

Unit I	**Infrastructure and Economic Development** Infrastructure as a public good; Economic Characteristics and types- social and physical infrastructure; Public utilities- Rationale of state provision.
Unit II	**Pricing Methods** Public private partnership investment, Peak-Load, Off-load problem, Marginal cost pricing vs. other methods of pricing in public utilities.
Unit III	**Transport and communication** The structure of transport costs and location of economic activities, Demand for transport, models of freight and passenger demand, the supply of transport, pricing policy, cost levels and structure-road transport, introduction to the setting of postal tariffs; criteria for fixation of postal tariffs, block pricing for Indian postal services.
Unit IV	**Energy and Electricity** Primacy of energy in the process of economic development, factors determining demand for energy, effects of energy shortage, energy conservation, renewable and non-conventional sources of energy, the relative economies of thermal, hydro and nuclear power plants, the case for a national power grid, the exploitation of natural gas, pricing problem, environmental implications.

Readings:

1. Crew, M.A. and P.R. Kleindorfer (1979), Public Utility Economics, Macmillan, London.
2. Indian Council of Social Sciences Research (ICSSR) (1976), Economics of Infrastructure, Vol. VI, NewDelhi,
3. National Council of Applied Economic Research (NCAER) (1976), India Infrastructure Report: Policy Implications for Growth and Welfare, NCAER, New Delhi.
4. Parikh, K.S. (Ed) (1999), India Development Report1999-2000.
5. Parikh, K.S. (Ed.) (1997), India Development Report 1997, Oxford, NewDelhi.