

RANI DURGAVATI VISHWAVIDYALAYA JABALPUR (M.P.)
SYLLABI PRESCRIBED [CHOICE BASED CREDIT SYSTEM (CBCS)]
FOR M.A. ECONOMICS (SEMESTER) EXAMINATIONS, 2016 ONWARDS

M.A. (THIRD SEMESTER)						
COURSE CODE	COURSE TITLE		Max. Marks	Continuous Evaluation	End Semester exams	Credits
301 (CORE)	INTERNATIONAL ECONOMICS-I अंतर्राष्ट्रीय अर्थशास्त्र-I		100	40	60	4
302 (CORE)	INDIAN ECONOMY: STRUCTURE, PROBLEMS AND POLICY-I भारतीय अर्थव्यवस्था: संरचना समस्याएं व नीतियां -I		100	40	60	4
ELECTIVES (ऐच्छिक)						
303 (ELECTIVES) (Any One)	(A)	LABOUR ECONOMICS-I OR श्रम अर्थशास्त्र-I अथवा	100	40	60	4
	(B)	MATHEMATICAL ECONOMICS-I OR गणितीय अर्थशास्त्र-I अथवा	100	40	60	4
	(C)	DEMOGRAPHY-I OR जनांकिकी-I अथवा	100	40	60	4
	(D)	HISTORY OF MODERN ECONOMIC THOUGHT-I आधुनिक आर्थिक विचारों का इतिहास-I	100	40	60	4

304 (ELECTIVES) (Any One)	(A)	INDUSTRIAL ECONOMICS-I OR औद्योगिक अर्थशास्त्र-I अथवा	100	40	60	4
	(B)	ECONOMETRICS-I OR अर्थमिति-I अथवा	100	40	60	4
	(C)	ECONOMICS OF GENDER AND DEVELOPMENT-I OR लिंग तथा विकास का अर्थशास्त्र-I अथवा	100	40	60	4
	(D)	ECONOMICS OF INFRASTRUCTURE - I OR अधःसंरचना का अर्थशास्त्र- I अथवा	100	40	60	4
305 (ELECTIVES) (Any One)	(A)	WELFARE ECONOMICS – I कल्याणवादी अर्थशास्त्र– I	100	40	60	4
	(B)	AGRICULTURAL ECONOMICS-I OR कृषि अर्थशास्त्र-I अथवा	100	40	60	4
	(C)	ENVIRONMENTAL ECONOMICS-I OR पर्यावरणीय अर्थशास्त्र-I अथवा	100	40	60	4
	(D)	ECONOMICS OF INSURANCE – I OR बीमा का अर्थशास्त्र– I अथवा	100	40	60	4
306	PROJECT WORK – I					2
307	SKILL DEVELOPMENT (कौशल विकास)					4
Total Valid Credits in Third Semester			500	200	300	26

Virtual Credits						
PAPER 307	COMPREHENSIVE TERM-END VIVA-VOCE		100			4

301 (CORE): INTERNATIONAL ECONOMICS-I	
301 (CORE): अंतर्राष्ट्रीय अर्थशास्त्र-I	
UNIT- I	<p>अंतर्राष्ट्रीय व्यापार का विशुद्ध सिद्धांत, निरपेक्ष लाभ तुलनात्मक लाभ एवं अवसर लागतों का सिद्धांत,, अंतर्राष्ट्रीय व्यापार का आधुनिक सिद्धांत, साधन कीमत समानीकरण प्रमेय, सापेक्षिक व तुलनात्मक लागतों के सिद्धांत का आनुभाविक परीक्षण, हेक्सर ओहलिन का व्यापार सिद्धांत</p> <p>The pure theory of international trade - Theories of absolute advantage, comparative advantage and opportunity costs, modern theory of international trade; Theorem of factor price equalization; Empirical testing of theory of absolute cost and comparative cost -Heckscher-Ohlin theory of trade.</p>
UNIT- II	<p>व्यापार से लाभ का मापन एवं उनका वितरण, व्यापार की शर्तों की अवधारणा, उपयोग व सीमाएं, व्यापार की शर्तों में दीर्घकालिन गिरावट की निरपेक्ष प्राक्कल्पना, अल्पविकसित देशों के लिए नीतियों का प्रभाव तथा आनुभाविक प्रासंगिकता, हस्तक्षेप का सिद्धांत (प्रशुल्क, अभ्यंश, गैर प्रशुल्क प्रतिबंध)</p> <p>Measurement of gains from trade and their distribution; Concepts of terms of trade, their uses and limitations; Hypothesis of secular deterioration of terms of trade, its empirical relevance and policy implications for less developed countries; The Theory of Interventions (Tariffs, Quotas and non-tariff barriers)</p>
UNIT- III	<p>प्रशुल्क एवं अभ्यंश के राष्ट्रीय आय, उत्पादन तथा रोजगार, व्यापार की शर्तें, आय का वितरण पर आर्थिक प्रभाव, व्यापार पक्षों के आंशिक एवं सामान्य संतुलन विश्लेषण में भुगतान शेष, गैर प्रशुल्क प्रतिबंधों की राजनैतिक अर्थव्यवस्था एवं उनका प्रभाव, नामांकित प्रभावी एवं अनुकूलतम प्रशुल्क दरें एवं उनका मापन, प्रभाव एवं कल्याणकारी निहितार्थ, अपूर्ण प्रतियोगी बाजार में व्यापार</p> <p>Economic effects of tariffs and quotas on national income, output employment, terms of trade, income distribution; Balance of payments on trading partners both in partial and general equilibrium analysis. The political economy of non-tariff barriers and their implications; nominal, effective and optimum rates of tariffs-their measurement, impact and welfare implications; Trade under imperfectly competitive market.</p>

UNIT- IV	<p>भुगतान शेष— अर्थ एवं उसके घटक, भुगतान शेष में संतुलन एवं असंतुलन, स्वर्ण मान के अंतर्गत समायोजन की प्रक्रिया, स्थिर एवं परिवर्तनशील विनिमय दरें, व्यय न्यूनतमीकरण एवं व्यय परिवर्तन की नीतियां तथा समायोजन का प्रत्यक्ष नियंत्रण, वैकल्पिक विनिमय दरों के अंतर्गत आंतरिक व बाह्य संतुलन को एकसाथ प्राप्त करने की नीतियां,</p> <p>Meaning and components of balance of payments; Equilibrium and disequilibrium in the balance of payments; The process of adjustment under systems of gold standard, fixed exchange rates and flexible exchange rates; Expenditure-reducing and expenditure-switching policies and direct controls for adjustment; policies for achieving internal and external equilibrium simultaneously under alternative exchange rate regimes;</p>
UNIT- V	<p>भुगतान संतुलन समायोजन के मौद्रिक दृष्टिकोण का आलोचनात्मक पुनरावलोकन, विदेशी व्यापार गुणक (विदेशी प्रतिक्षेप, राष्ट्रीय आय एवं उत्पाद के साथ एवं के बिना), विकासशील देशों में वृद्धि एवं विकास के संदर्भ में परिवर्तनशील एवं स्थिर विनिमय दरों के सापेक्षिक गुण एवं दोष।</p> <p>A critical review of the monetary approach to the theory of balance of payments adjustment; Foreign trade multiplier with and without foreign repercussions and determination of national income and output; Relative merits and demerits of fixed and flexible exchange rates in the context of growth and development in developing countries.</p>

BASIC READING LIST

- Bhagwati, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge, University Press, Massachusetts.
- Carbough, R.J. (1999), International Economics, International Thompson Publishing, New York.
- Chacholiades, M. (1990), International Trade : Theory and Policy, McGraw Hill, Kogakusha, Japan.
- Dana, M.S. (2000), International Economics : Study, Guide and Work Book, (5th Edition), Routledge Publishers, London.
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- King, P.G. (1995). International Economics and International Economic Policy : A Reader, McGraw Hill International, Singapore.
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- Salvatore, D. (1997), International Economics, Prentice Hall, Upper Saddle River, N.J. New York.
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- Barrow, R.J. (1993), Macro Economics, 4th Edition, John Wiley, New York.

- Goldstein, M. (1998), The Asian Financial Crisis : Causes Cure and Systematic Implication, Institute for International Economics, Washington, D.C.
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- Grable, J.O. (1996), International Financial Markets, Prentice Hall, Englewood Cliffs, New York.
- Kenen, P.B. (1995), Economic and Monetary Union in Europe, Cambridge University Press, UK.
- Mishkin, S.F. (1998), The Economics of Money, Banking and Financial Markets, (5th Edition), Harper Colins Publishers, New York.
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302 (CORE): INDIAN ECONOMY: STRUCTURE, PROBLEMS AND POLICY-I

302 (CORE): भारतीय अर्थव्यवस्था संरचना समस्याएं व नीतियां-I

UNIT- I	आर्थिक विकास का दृष्टिकोण एवं मापन— संपोष्य विकास; राज्य की भूमिका; बाजार एवं अन्य संस्थाएं; विकास के सूचक PQLI, HDI, लैंगिक विकास के सूचक
	Approaches to economic development and its measurement- sustainable development; role of State, market and other institutions; indicators of development- PQLI, HDI, gender development indices.
UNIT- II	योजना के उद्देश्य व ब्युहनीति, योजना की सफलताएं व असफलताएं, विकास के लिए आधारभूत संगठनों पंचायत, एन.जी.ओ. तथा दबाव समूह का विकास
	Objectives and strategy of planning; Failures and achievements of Plans; Developing grass-root organizations for development - Panchayats, NGOs and pressure groups.
UNIT- III	भारतीय जनसंख्या के जनानकीय लक्षण, ग्रामीण नगरीय विस्थापन, नगरीकरण व नागरिक सुविधाएं, गरीबी व असमानता।
	Broad demographic features of Indian population, Rural-urban migrations; Urbanization and civic amenities; Poverty and Inequality.
UNIT- IV	उर्जा; सामाजिक आधारभूत संरचना— शिक्षा व स्वास्थ्य, पर्यावरण, क्षेत्रीय असंतुलन; आधारभूत संरचना के लिए वित्तीयन के मुद्दे एवं नीतियाँ ।
	Energy; Social infrastructure - education and health; Environment; Regional imbalance; Issues and policies in financing infrastructure development.
UNIT- V	संस्थागत संरचना— भारत में भूमि सुधार, कृषि में तकनीकी परिवर्तन, कृषि में आगत—निर्गत मूल्य निर्धारण, कृषि एवं उद्योगों के मध्य व्यापार की शर्तें, कृषि वित्त नीति कृषि विपणन एवं भंडारण गृह, खाद्य सुरक्षा के मुद्दे, संपोष्य कृषि की नीतियां।
	Institutional Structure - land reforms in India; Technological change in agriculture - pricing of agricultural inputs and output; Terms of trade between agriculture and industry; Agricultural finance policy; Agricultural Marketing and Warehousing; Issues in food security - policies for sustainable agriculture.

BASIC READING LIST :

- Ahluwalia, I.J. and I.M.D. Little (Eds.) (1999), India's Economic Reforms and Development (Essay in honour of Manmohan Sing), Oxford University Press, New Delhi.
- Bardhan, P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University Press, New Delhi.
- Bawa, R.S. and P.S.Raikhy (Ed.) (1997), Structural Changes in Indian Economy, Guru Nanak Deve University Press, Amritsar.
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- Dhameeja, N. and K.S.Sastry (1998), Privatisation : Theory and Practice, A.H. Wheeler, New Delhi.
- Mookherjee, D. (Ed.) (1997), Indian Industry : Policies and Performance, Oxford University Press, New Delhi.
- Swamy, D.S. (1994), The Political Economy of Industrialization : From Self-reliance to Globalization, Sage Publications, New Delhi.
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303 (ELECTIVE)-(A): LABOUR ECONOMICS-I	
303 (ELECTIVE)-(A): श्रम अर्थशास्त्र-I	
UNIT- I	<p>भारत जैसे विकासशील देशों में श्रम बाजार की प्रकृति एवं विशेषताएं— श्रम बाजार विश्लेषण का दृष्टांत प्रतिष्ठित, नव प्रतिष्ठित एवं द्वैतवादी अर्थव्यवस्था, विनियोग की मात्रा एवं स्वरूप के सापेक्ष श्रम की मांग।</p> <p>Nature and characteristics of labour markets in developing countries like India; Paradigms of labour market analysis - Classical, neo-classical and dualistic economy; Demand for labour in relation to size and pattern of investment;</p>
UNIT- II	<p>तकनीकों का चुनाव एवं श्रम नीतियां, श्रम शक्ति वृद्धि के सापेक्ष श्रम पूर्ति, श्रम बाजार नीतियां, श्रम की उत्पादकता व गतिशीलता, विवेकीकरण भर्ती तथा पदस्थापना की विधियां, भारत रोजगार कार्यालय संगठन</p> <p>Choice of technologies and labour policies; Supply of labour in relation to growth of labour force; Labour market policies; Mobility and productivity of labour; Rationalization; Methods of recruitment and placement; Employment service organization in India.</p>
UNIT- III	<p>रोजगार एवं विकास संबंध विकासशील देशों में गरीबी, बेरोजगारी, भारत के विशेष संदर्भ में बेरोजगारी— अवधारणा, प्रकार एवं मापन</p> <p>Employment and development relationship - Poverty and unemployment in developing countries; Unemployment - Concept, Types, and Measurement, particularly in India</p>
UNIT- IV	<p>संगठित निजी उद्योगों में विवेकीकरण तकनीकी परिवर्तन आधुनिकीकरण का रोजगार पर प्रभाव, सार्वजनिक क्षेत्र एवं कृषि क्षेत्र में रोजगार, शिक्षित बेरोजगारी का विश्लेषण, पंचवर्षीय योजनाओं में रोजगार नीति व उसका मूल्यांकन।</p> <p>Impact of rationalization, technological change and modernization on employment in organized private industry, Public sector and employment in agricultural sector; Analysis of educated unemployment; Employment policy in Five Year Plans and its evaluation.</p>
UNIT- V	<p>मजदूरी निर्धारण के प्रतिष्ठित व नवप्रतिष्ठित तथा सौदेबाजी सिद्धांत, न्यूनतम मजदूरी की अवधारणा, पर्याप्त एवं उचित मजदूरी के सिद्धांत एवं व्यवहार, श्रम बाजार विभेदीकरण, विभिन्न क्षेत्रों में मजदूरी निर्धारण— ग्रामीण, शहरी, संगठित, असंगठित, एवं अनौपचारिक क्षेत्र श्रम वेतन में गैर मजदूरी घटक,</p>

Classical, neo-classical and bargaining theories of wage determination; Concepts of minimum wage, living wage and fair wage in theory and practice; Discrimination in labour markets; Wage determination in various sectors - rural, urban, organized, unorganized and in informal sectors; Non-wage component of labour remuneration;

BASIC READING LIST

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303 (ELECTIVE)-(B): MATHEMATICAL ECONOMICS-I**303 (ELECTIVE)-(B): गणितीय अर्थशास्त्र-I**

UNIT- I	<p>गणनावाचक एवं क्रमवाचक उपयोगिता, क्रमवाचक उपयोगिता अधिकतमिकरण, स्लट्स्की समीकरण, क्षतिपूरक मांग फलन, आय प्रतिस्थापन तथा कीमत प्रभाव, प्रत्यास्थता की अवधारणा, n चर सामान्यीकरण प्रकरण, पृथक्करणीय तथा योगात्मक उपयोगिता फलन, होमाजीनियस (समरूप) तथा होमोथेटिक उपयोगिता फलन, प्रतिस्थापन की स्थिर प्रत्यास्थता (CES) तथा उपभोक्ता अतिशेष, प्रगट अधिमान प्राथमिकता सिद्धांत तथा सूचकांक, रेखीय व्यय प्रणाली, टिकाऊ वस्तुओं हेतु मांग का व्यवहार, आनुभविक मांग फलन।</p> <p>Cardinal and ordinal utility; Ordinal utility maximization; Slutsky equation, compensated demand functions, income, substitution, and price effects; Concept of elasticities - generalizations to n variable case; Separable and additive utility functions; homogeneous and homothetic utility functions; constant elasticity of substitution (CES) and consumer's surplus; Theory of revealed preference and index numbers; Linear expenditure systems; Treatment of demand for durable goods; Empirical demand functions.</p>
UNIT- II	<p>उत्पादन फलन—समरूप व असमरूप; कॉब डगलस, स्थिर प्रतिस्थापन प्रत्यास्थता, परिवर्तनशील प्रतिस्थापन प्रत्यास्थता एवं ट्रांसलाग उत्पादन फलन के लक्षण, अल्पकालिक व दीर्घकालिक लागत फलनों की सरल व्युत्पत्ति, लागत सिद्धांत का आधुनिक उपागम, लागत फलन,</p> <p>Production function - homogeneous and non-homogeneous; Properties of Cobb-Douglas production function; CES; VES and trans-log production function; Simple derivation of short and long run cost functions; Modern approach to theory of costs; Cost function;</p>
UNIT- III	<p>उत्पादक की साम्यावस्था, पैमाने के नियम तथा प्रतिफल, उत्पादक का प्रतिबंधित अनुकूलतमीकरण, n चर प्रकरण पर सामान्यीकरण आगत मांग फलन, योग प्रमेय, उत्पादन फलन द्वारा तकनीकी प्रगति, संयुक्त लाभ अधिकतमिकरण तथा बहुउत्पाद कर्म का विश्लेषण, उत्पादन संभावना वक्र, उत्पादन फलन विश्लेषण के आनुभविक उपयोग।</p> <p>Producer's equilibrium - Law of return and returns to scale; Constrained optimization of a producer; Generalization to n variable case; Input demand functions; Adding up theorem; Technical progress through production function; Analysis of joint profit maximization and multi-product firm; Production possibility curve; Empirical uses of production function analysis.</p>

UNIT- IV	एकाधिकार, पूर्ण प्रतियोगिता, एकाधिरात्मक प्रतियोगिता, द्वयाधिकारी प्रतियोगिता, अल्पाधिकारी प्रतियोगिता, तथा क्रेता अल्पाधिकार में मूल्य निर्धारण, उत्पादन के साधनों का मूल्य निर्धारण।
	Price determination in perfect competition, monopoly, monopolistic competition, duopoly, oligopoly and monopsony; Pricing of factors of production.
UNIT- V	एकल बाजार साम्यावस्था— मार्शल तथा वालरस की साम्यावस्था दशाएं, पश्चता बाजार साम्यावस्था, वालरस व डैबर्यू की सामान्य साम्यावस्था प्रणाली, साम्यावस्था के स्थायित्व की दशाएं।
	Single market equilibrium - Marshallian and Walrasian equilibrium conditions; Lagged market equilibrium; Multi-market equilibrium - General equilibrium systems of Walras and Debreu; Conditions of stability of equilibrium.
BASIC READING LIST	
<ul style="list-style-type: none"> • Allen, R.G.D.(1976), <u>Mathematical Economics</u>, Macmillan, London. • Arrow, K.J. and M. Intrilligator (Eds.) (1982), <u>Handbook of Mathematical Economics</u>, Volumes I, II and III, North Holland, Amsterdam. • Henderson, J.M. and R.E. Quandt (1980), <u>Microeconomic Theory: A Mathematical Approach</u>, McGraw Hill, New Delhi. • Chung, J.W.(1993), <u>Utility and Production : Theory and Applications</u>, Basil Blackwell, London. • Ferguson, C.E.(1976), <u>Neo-classical Theory of Production and Distribution</u>, • Chiang, A.C.(1986), <u>Fundamental Methods of Mathematical Economics</u>, McGraw Hill, New York. • Mustafi, : Operation Reserch : Methods and Practice • Hadley, G : Linear Programming • Nash, J.F. : Essays on Game Theory • Samuelson, : Foundations of Economic Analysis • Mehta and Madnani : Mathematics Economists • Yamane : Mathematics for Economists • महेश चन्द्र मल्होत्रा : अर्थशास्त्रीय गणित 	

303 (ELECTIVE)- (C): DEMOGRAPHY-I**303 (ELECTIVE)- (C) जनांकिकी-I**

UNIT- I	<p>जनांकिकी का आशय एवं विषय वस्तु, जनसंख्या विकास के अवयव तथा उनकी अर्तनिर्भरता, जनसंख्या परिवर्तन के मापन, संरचना, वितरण तथा जनसंख्या समंको के स्रोत, जनसंख्या के सिद्धांत, माल्थस का सिद्धांत,, अनुकूलतम जनसंख्या का सिद्धांत, जनांकिकीय संक्रमण का सिद्धांत-मीडॉव, एन्के व सायमन के विचार।</p> <p>Meaning and scope of demography; Components of population growth and their inter-dependence; Measures of population change; Structure, distribution and sources of population data; Theories of population - Malthus, Optimum theory of population; Theory of demographic transition - Views of Medows, Enke and Simon.</p>
UNIT- II	<p>20वीं सदी में जनसंख्या की प्रवृत्तियाँ, जनसंख्या विस्फोट- खतरा या वास्तविकता; सुदूर या निकटवर्ती, जनसंख्या विकास व वितरण के अंतर्राष्ट्रीय पहलू। अधिक विकसित तथा अल्पविकसित देशों आयु तथा लिंग संरचना के स्वरूप, आयु तथा लिंग संरचना के निर्धारक तत्व, आयु तथा लिंग संरचना के जनांकिकीय प्रभाव, आर्थिक तथा सामाजिक परिणाम, आयु पिरामिड तथा प्रक्षेपण-एकल व्यक्तिय वृद्धावस्था तथा जनसंख्या की वृद्धावस्था।</p> <p>Population trends in the twentieth century; Population explosion - Threatened or real, distant or imminent; International aspects of population growth and distribution; Pattern of age and sex structure in more developed and less developed countries; Determinants of age and sex structure; Demographic effects of sex and age structure, economic and social implications; Age Pyramids and projections - Individual aging and population aging.</p>
UNIT- III	<p>उर्वरता के अध्ययन का महत्व, सकल उर्वरता दर (सकल पुर्नउत्पादन दर तथा शुद्ध पुर्नउत्पादन दर), अधिक तथा कम विकसित देशों में उर्वरता के स्तर तथा प्रवृत्तियाँ, उर्वरता को प्रभावित करने वाले कारक-सामाजिक-आर्थिक कारक, आर्थिक प्रस्थिति, स्वास्थ्य, शिक्षा, पोषण, जाति, धर्म, वर्ण, क्षेत्र, ग्रामीण-नगरीय तथा पति एवं पत्नी की प्रस्थिति ।</p> <p>Importance of study of fertility - Total fertility rate[Gross reproduction rate and net reproduction rate; Levels and trends of fertility in more and less developed countries; Factors affecting fertility - Socio-economic factors, economic status, health, education, nutrition, caste, religion, race, region, rural-urban and status of husband and wife.</p>

UNIT- IV	<p>मृत्यु दर,— अशोधित तथा आयु विशिष्ट मृत्यु, जन्म के समय मृत्यु तथा शिशु मृत्यु दर। अधिक तथा कम विकसित देशों में उर्वरता के स्तर तथा प्रवृत्तियों, मृत्युक्रम के लिंग व आयु संबंधी स्वरूप। हाल ही के वर्षों में मृत्युदर में गिरावट के कारक। जीवन सारणी—निर्माण व उपयोग। स्थिर जनसंख्या की अवधारणा, जनसंख्या प्रक्षेपण विधि।</p>
	<p>Mortality - Death rates, crude and age-specific; Mortality at birth and infant mortality rate; Levels and trends in more and less developed countries; Sex and age pattern of mortality; Factors for decline in mortality in recent past; Life table - Construction and uses; Concepts of stable population; Methods of population projection.</p>
UNIT- V	<p>प्रवासन व नगरीयकरण— अभिधारणा तथा प्रकार—अस्थायी आंतरिक व अंतर्राष्ट्रीय अंतर्राष्ट्रीय प्रवासन— जनसंख्या वृद्धि एवं स्वरूप पर प्रभाव। प्रवासन को प्रभावित करने वाले कारक, आंतरिक प्रवासन से संबंधित सिद्धांत। नगरीयकरण विकसित व विकासशील देशों में ग्रामीण नगरी जनसंख्या वृद्धि एवं वितरण।</p>
	<p>Migration Concepts and types - Temporary, internal and International; International migration - Its effect on population growth and pattern; Factors affecting migration; Theories of migration related to internal migration; Urbanization - Growth and distribution of rural-urban population in developed and developing countries.</p>
<p>SELECT READING :</p> <ul style="list-style-type: none"> • Agnihotri, S.B. (2000), <u>Sex ratio in Indian Population : A Fresh Exploration</u>, Sage, New Delhi. • Agrawala, S.N. (1972), <u>India's Population Problem</u>, Tata McGraw-Hill Co., Bombay. • Amsden, A.H. (Endavours.) (1980), <u>The Economics of Women and Work</u>, Penguin, Harmondsworth. • Baud, I.S.A. (1992), <u>Form of Production and Women's Labour, Gender Aspects of Industrialization in India and Mexico</u>, Sage, New Delhi. • Bhende, Asha and Tara Kanitker, <u>Principles of Population Studies</u>. • Bogue, D.J. (1971), <u>Principles of Demography</u>, John Wiley, New York. • Bose, A. (1996), <u>India's Basic Demographic Statistics</u>, B.R.Publishing Corporation, New Delhi. • Boserup, E. (1970), <u>Women's Role in Economic Development</u>, George Allen and Unwin London. • Chiang, C.L. (1974), <u>Life Tables and Mortality Analysis</u>, W.H.O., Geneva. • Choubey, P.K. (2000), <u>Population Policy in India</u>, Kanishka Publications, New Delhi. • Coale, A.J. and E.M.Hoover (1958), <u>Population Growth and Economic Development in Low Income Countries : A Case Study of India's Prospects</u>, Princeton University Press, Princeton. • Gulati, S.C. (1988), <u>Fertility in India : An Econometric Study of a Metropolis</u>, Sage, New Delhi. 	

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- Sudarshan and A.Shariff (1999), Gender, Population and Development, Oxford University Press, New Delhi.

303 (ELECTIVE)- (D): HISTORY OF MODERN ECONOMIC THOUGHT-I

303 (ELECTIVE)- (D):आधुनिक आर्थिक विचारों का इतिहास-I

UNIT- I	रेगनर फ्रिश जेन टिनबर्जन पॉल सेम्युलसन साइमन कुजनेटस्
	Frisch, Ragner Tinbergen, Jan Samuelson, Paul A. Kuznets, Simon
UNIT- II	जॉन हिक्स कैनेथ ऐरो वैसली लियोन्तिफ गुन्नार मिर्डल
	Hicks, John R. Arrow, Kenneth Leontief, Wassily W. Myrdal, Gunnar
UNIT- III	ताजलिंग कुपमेन्स् मिल्टन फ्रिडमेन बर्टिल औहलिन

	जेम्स मीड
	Koopmans, C. Tjalling Friedman, Milton Ohlin Bertil Meade, James E.
UNIT- IV	थियोडोर शुल्ज् आर्थर लुइस लारेन्स विलन जेम्स टाबिन्स्
	Schultz, Theodore W. Lewis, Sir W. Artur Klein Lawrence R. Tobin James
UNIT- V	जार्ज स्टिगलर जेराल्ड डेब्रु रिचर्ड स्टोन फ्रेन्को मोडग्लियानी
	Stigler, Georg J. Debreu, Gerard G. Stone, Sir Richard Modigliani, Franco
Frisch, R. (1933), <u>Propagation Problems and Impulse Problems in Dynamics Economics</u> , Longman, London.	
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Modigliani F. (1985) Life Cycle, Individual Thrift and Wealth of Nations: Nobel Lecture.

304 (ELECTIVE)- (A): INDUSTRIAL ECONOMICS-I**304 (ELECTIVE)- (A): औद्योगिक अर्थशास्त्र-I**

UNIT- I	फर्म की अवधारणा तथा संगठन स्वामित्व, नियंत्रण तथा फर्म के उद्देश्य, फर्म के सक्रिय तथा अक्रिय व्यवहार।
	Concept and organization of a firm - ownership, control and objectives of the firm; Passive and active behaviour of the firm.
UNIT- II	विक्रेताओं का संकेंद्रण, उत्पाद विविधताएं, प्रविष्टि की शर्तें, उत्पादन मितव्ययता, बाजार संरचना तथा लाभदेयता, बाजार संरचना तथा नवप्रवर्तन, औद्योगिक स्थानीयकरण के सिद्धांत-वेबर तथा सार्जेन्ट फ्लोरेन्स, स्थानीयकरण को प्रभावित करने वाले घटक।
	Seller's concentration; Product differentiation; Entry conditions; Economics of scale; Market structure and profitability; Market structure and innovation; Theories of industrial location - Weber and Sargent Florence; Factors affecting location.
UNIT- III	उत्पाद मूल्य निर्धारण- सिद्धांत तथा साक्ष्य, निवेश व्यय, निवेश व्यय का मूल्यांकन करने की विधि, विलय, अधिग्रहण तथा विविधिकरण संबंधि सैद्धान्तिक तथा प्रायोगिक साक्ष्य।
	Product pricing - Theories and evidence; investment expenditure - Methods of evaluating investment expenditure; Theories and empirical evidence on Mergers and acquisitions (M & As) and diversification.
UNIT- IV	फर्म का उद्भव- फर्म का आकार तथा उद्भव, फर्म का उद्भव तथा लाभदेयता, उद्भव के अवरोध, उत्पादकता, दक्षता तथा क्षमता उपयोगिता- अवधारणा तथा मापन, भारतीय स्थितियां।
	Growth of the firm - Size and growth of a firm; Growth and profitability of the firm; Constraints on growth; productivity, efficiency and capacity utilization - Concept and measurement, Indian situation.
UNIT- V	उद्योगों का वर्गीकरण, भारत में औद्योगिक नीति- निजी तथा सार्वजनिक क्षेत्रों की भूमिका, भारतीय औद्योगिक विकास में हाल की प्रवृत्तियाँ, बहुराष्ट्रीय कम्पनियां तथा प्रोद्योगिकी स्थानान्तरण, उदारीकरण तथा निजीकरण
	Classification of industries; Industrial policy in India -Role of Public and private sectors; Recent trends in

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304 (ELECTIVE)- (B): ECONOMETRICS-I**304 (ELECTIVE)- (B): अर्थमिति-I**

UNIT- I	अर्थमिति की प्रकृति आशय तथा क्षेत्र, सरल तथा सामान्य रेखीय समाश्रयण मॉडल, मान्यताएं, आकलन (न्यूनतम वर्ग विधि द्वारा OLS) तथा आकलक के लक्षण, गॉस-मार्कोव प्रमेय, निर्धारण गुणांक (R^2) एवं समायोजित निर्धारण गुणांक (R^2) की व्युत्पत्ति तथा अवधारणा, Nature, meaning and scope of econometrics; Simple and general linear regression model- Assumptions, Estimation (through OLS approach) and properties of estimators; Gauss-Markov theorem; Concepts and derivation of R^2 and adjusted R^2 .
UNIT- II	प्रसरण की अवधारणा तथा विश्लेषण, समाश्रयण विश्लेषण में उसके अनुप्रयोग, रेखीय समीकरणों का आकलन-परवलीय, घातकीय, ज्यामितीय, अतिपरवलीय। Concept and analysis of variance approach and its application in regression analysis; Estimation of non-linear equations-parabolic, exponential, geometric, hyperbolic.
UNIT- III	विषमविचालिता, बहुसंरेखिकता तथा स्व-सहसम्बन्ध, की प्रकृति, परीक्षण, परिणाम तथा समस्याएं एवं निदानात्मक उपाय; विनिर्देश विशिष्टीकरण त्रुटि की समस्याएं, मापन की त्रुटियां। Nature, test, consequences and remedial steps of problems of heteroscedasticity; multicollinearity and auto-correlation; Problems of specification error; Errors of measurement.
UNIT- IV	छद्म चर तकनीक- समाश्रयण मॉडल के सरचनात्मक स्थायित्व का परीक्षण तथा इसकी समाश्रयण संव्यवहारिक प्रभाव, मौसमी विश्लेषण से तुलना, छद्म चर का उपयोग, छद्म निर्भर चरों सहित समाश्रयण। Dummy variable technique - Testing structural stability of regression models comparing to regressions, interaction effects, seasonal analysis use of dummy variables, regression with dummy dependent variables.
UNIT- V	स्व-समाश्रयणीय तथा वितरित पश्चता मॉडल, कोयाक मॉडल, आंशिक समायोजन मॉडल, अनुकलतम प्रत्याशाएं, साधनभूत चर, स्व-सहसंबंध की समस्याएं-अनुप्रयोग, वितरित पश्चता के अलमॉन उपागम, त्रुटि-सहसम्बन्ध तंत्र। Autoregressive and distributed lag models - Koyak model, partial adjustment model, adaptive expectations;

Instrumental variables; Problem of auto-correlation - Application; Almon approach to distributed-lag models; Error correlation mechanism.

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304 (ELECTIVE)- (C): ECONOMICS OF GENDER AND DEVELOPMENT-I**304 (ELECTIVE)- (C): लिंग तथा विकास का अर्थशास्त्र-I**

UNIT- I	<p>महिला अध्ययन का महत्व तथा अवधारणा, पितृ सत्तात्मक तथा मातृ सत्तात्मक समाज एवं संरचना में महिलाएं, भारत में पितृ सत्तात्मक तथा मातृ सत्तात्मक प्रणालियाँ तथा उनकी वर्तमान में प्रासंगिकता। विकसित तथा कम विकसित देशों (LDCs) विशेषकर भारत में पैतृक प्रधानता का आर्थिक आधार तथा कार्यप्रणाली। मूल्य, वितरण, तथा जनसंख्या के सिद्धांतों में लिंग पक्षपात।</p> <p>Importance and concepts of women studies - Women in patriarchal and matriarchal societies and structures, patrilineal and matrilineal systems and relevance to present day society in India; Economic basis and functioning of patriarchy in developed and LDCs, particularly India; Gender bias in the theories of value, distribution, and population.</p>
UNIT- II	<p>महिला जनसंख्या की जनांकिकी— आयु संरचना, मृत्यु दर, एवं लिंगानुपात, कम विकसित देशों (LDCs) विशेषकर भारत में ह्रासमान लिंगानुपात तथा उर्वरता के कारण, उर्वरता मापन के सिद्धांत तथा नियंत्रण।</p> <p>Demography of female population: Age structure, mortality rates, and sex ratio - Causes of declining sex ratios and fertility rates in LDCs and particularly India - Theories and measurement of fertility and its control;</p>
UNIT- III	<p>महिलाएं तथा उनकी पोषण स्वास्थ्य शिक्षा एवं सामाजिक व सामुदायिक संसाधनों तक पहुँच तथा उसका महिला मृत्युक्रम, उर्वरता एवं आर्थिक दशा तथा कार्य सहभागिता दर पर प्रभाव</p> <p>Women and their access to nutrition, health, education, and social and community resources, and their impact on female mortality and fertility, economic status, and in work participation rate.</p>
UNIT- IV	<p>महिलाओं की निर्णयन प्रक्रिया को प्रभावित करने वाले कारक, सम्पत्ति अधिकार, आर्थिक संसाधनों पर महिलाओं की पहुँच तथा नियंत्रण, घरेलू, वर्ग तथा समुदाय स्तर पर निर्णयन क्षमता की शक्ति। कम विकसित देशों (LDCs) विशेषकर भारत में स्त्रियों की आर्थिक दशा तथा कार्य सहभागिता दर, आय स्तर, स्वास्थ्य एवं शिक्षा पर इसका प्रभाव। घरेलू तथा सामाजिक संसाधनों के वितरण में सगोत्रता संबंधों की भूमिका।</p> <p>Factors affecting decision making by women; property rights, access to and control over economic</p>

	resources, assets; Power of decision making at household, class, community level; Economic status of women and its effect on work-participation rate, income level, health, and education in developing countries and India; Role of kinship in allocation domestic and social resources.
UNIT- V	महिलाओं के कार्यों की अवधारणा व विश्लेषण। उत्पादक तथा अनुत्पादक कार्यों का मुल्यांकन। दृश्यमान तथा अदृश्यमान कार्य। प्रदत्त तथा अदत्त कार्य। आर्थिक रूप से उत्पादक तथा सामाजिक रूप से उत्पादक कार्य— आर्थिक प्रस्थिति, निजी संपत्ति, औद्योगिक तथा पूर्व औद्योगिक समाज में महिलाओं की भूमिका राष्ट्रीय आय में महिलाओं का योगदान।
	Concept and analysis of women's work: Valuation of productive and unproductive work; visible and invisible work; paid and unpaid work; economically productive and socially productive work - Economic status, private property, and participation of women in pre-industrial and industrial societies-Female contribution to National Income.
SELECT READINGS :	
<ul style="list-style-type: none"> • Agnihotri, S.B. (2000), <u>Sex ratio in Indian Population : A Fresh Exploration</u>, Sage Publications, New Delhi. • Agrawal, B. (1994), <u>A Field of One's Own : Gender and Land Rights in South Asia</u>, Cambridge University Press, Cambridge. • Ahmed, I. (Ed.) (1985), <u>Technology and Rural Women : Conceptual and Empirical Issues</u>, George Allen & Unwin, London. • Amsden, A.H. (Endavours.) (1980), <u>The Economics of Women and Work</u>, Penguin, Harmondsworth. • Baud, I.S.A. (1992), <u>Forms of Production and Women's Labour : Gender Aspects of Industrialization in India and Mexico</u>, Sage Publications, New Delhi. • Buvinic, M. and M.A.Lycette (1989), 'Women, Poverty and Development in the Third World;', in Lewis J.P. (Ed.) <u>Strengthening the Poor : What Have We Learnt</u>, OECD. • Carr, M., C.Martha and Jhabvala (Eds.) (1997), <u>Speaking Out : Women's Economic Empowerment in South Asia</u>, Vistaar Publications, New Delhi. • Clusters, P. (1997), <u>Capital Accumulation and Women's Labour in Asian Economies</u>, Vistaar, New Delhi. • Dantwala, M.L., H.Sethi and P.Visaria (1998), <u>Social Change Through Voluntary Action</u>, Sage Publications, New Delhi. • Engels, F. (1985), <u>The Origin of the Family, Private Property and the State</u>, Progress Publications. Moscow. • Gupta, J.A. (2002), <u>New Reproductive Technologies, Women's Health and Autonomy</u>, Indo Dutch Studies on Development Alternatives, Sage Publications, New Delhi. • Jhabwala, R.and R.K.Subramanya (2000) (Eds.) <u>The Unorganized Sector : Work Security and Social Protection</u>, Sage Publications, New Delhi. 	

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304 (ELECTIVE)- (D): ECONOMICS OF INFRASTRUCTURE - I**304 (ELECTIVE)- (D): अधःसंरचना का अर्थशास्त्र- I**

UNIT- I	अधःसंरचना एवं आर्थिक विकास, अधःसंरचना एक सार्वजनिक वस्तु, सामाजिक तथा भौतिक अधःसंरचना, सार्वजनिक उपयोगिताओं के विशिष्ट लक्षण, द्वेध सिद्धांत विरोधाभास
	Infrastructure and economic development - Infrastructure as a public good; Social and physical infrastructure; Special characteristics of public utilities. Dual Principle Controversy;
UNIT- II	संयुक्त पूर्ति के पैमाने की बचतें, सार्वजनिक उपयोगिताओं की सीमांत कीमत निर्धारण बनाम कीमत निर्धारण की अन्य विधियाँ, प्रतिउपादानीकरण- निशुल्क कीमतें, समता तथा दक्षता
	Economies of scale of joint supply; Marginal Cost Pricing vs. Other methods of pricing in public utilities; Cross-subsidization - free prices, equity and efficiency.
UNIT- III	परिवहन लागत तथा आर्थिक गतिविधियों के स्थानीयकरण की संरचना, परिवहन किराया प्रादर्श की मांग तथा यात्री मांग प्रादर्श चुनाव
	The structure of Transport Costs and Location of Economic Activities Demand for Transport Models of Freight and Passenger Demand Model Choice;
UNIT- IV	परिवहन क्षेत्र में लागत फलन, कीमत निर्धारण के सिद्धांत, व्ययैक्तिक परिवहन प्रणालियों की समस्याएं, भारतीय स्थितियों में अंतरप्रणाली परिस्थितियां
	Cost Functions in the Transport Sector. Principle of Pricing. Special Problems of Individuals Modes of Transport; Inter-modal condition in the Indian Situation.
UNIT- V	दूरभाष उपयोगिताओं में दर निर्धारण, दूरभाष उद्योग में घटती लागतों का सिद्धांत, डाक सेवाओं के लक्षण, डाक दर निर्धारण के मापदंड, दूरभाष तथा डाक सेवाओं के प्रतिमानों का मापन
	Rate-making in Telephone Utilities. Principles of Decreasing Costs in Telephone Industry Characteristics of postal Services Criteria for Fixation of Postal Rates Measurement of Standards of Service in Telephone and Postal Utilities.

SELECT READINGS :

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305 (ELECTIVE)- (A): WELFARE ECONOMICS – I	
304 (ELECTIVE)- (A): कल्याणवादी अर्थशास्त्र- I	
UNIT- I	समग्र कल्याण का बेन्थमवादी दृष्टिकोण ; अनुकूलतम संसाधन आबंटन एवं कल्याण अधिकतमिकरण, समान व्ययैक्तिक आय-उपयोगिता फलन की मान्यता
	Benthamite Approach to Aggregate Welfare; Optimum Resource Allocation and Welfare Maximization, Assumption of Uniform Income - Utility Function of Individuals;
UNIT- II	आय वितरण का प्रश्न; अन्तर् व्ययैक्तिक उपयोगिता की तुलना का मुद्दा; मार्शल का कल्याणवादी अर्थशास्त्र
	Question of Income Distribution; Issue of Interpersonal Comparisons of Utility; Marshallian Welfare Economics.
UNIT- III	उपभोक्ता का अतिरेक, उपभोक्ता के अतिरेक मापन में आने वाली कठिनाइयां, आलोचनाएं, क्षतिपूरक परिवर्तन का सिद्धांत
	Consumer's Surplus; Measurement of Consumer's Surplus Difficulties involved, Criticism; Principle of Compensating Variation;
UNIT- IV	हिक्स के चार_उपभोक्ता के अतिरेक, उपभोक्ता के अतिरेक की अवधारणा, उपभोक्ता का अतिरेक एवं कर सीमा विश्लेषण
	Hicks's Four Consumer's Surpluses; Concept of Consumer's Surpluses; Consumer's Surpluses and Tax Bounty Analysis.
UNIT- V	पेरेटो अनुकूलतम की दशाएं, अनुकूलतम विनिमय की दशाएं, अनुकूलतम उत्पादन की दशाएं, अनुकूलतम उपभोग की दशाएं, संविदा वक्र की अवधारणा, उच्च स्तर अनुकूलतम
	Pareto optimality - Optimum exchange conditions, The production optimum, The consumption optimum; Concept of contract curve; Top level optimum;

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305 (ELECTIVE)- (B): AGRICULTURAL ECONOMICS-I**305 (ELECTIVE)- (B): कृषि अर्थशास्त्र-I**

UNIT- I	<p>कृषि तथा ग्रामीण अर्थशास्त्र की प्रकृति व विषय वस्तु, परम्परागत कृषि तथा इसका आधुनिकीकरण, आर्थिक विकास में कृषि की भूमिका, कृषि उद्योग में अंतर्निभरता— कुछ प्रयोगात्मक साक्ष्य, कृषिजन्य विकास, गरीबी तथा पर्यावरण।</p> <p>Nature and scope of agricultural and rural economics; Traditional agriculture and its modernization; Role of agriculture in economic development; Interdependence between agriculture and industry - some empirical evidence; Agricultural development, poverty and environment.</p>
UNIT- II	<p>पशुधन अर्थशास्त्र— पशुधन संसाधन एवं उनकी उत्पादकता, विपणन की समस्याएं, श्वेत क्रांति, मत्स्य एवं मुर्गीपालन विकास, वानिकी, ग्रामीण औद्योगिकरण के मुद्दे एवं समस्याएं, कृषि आधारित उद्योगों का विकास</p> <p>Livestock economics - Livestock resources and their productivity; problems of marketing; White revolution; fishery and poultry development; Forestry, Issues and problems in rural industrialization and development of agro-based industries.</p>
UNIT- III	<p>भूमि जल तथा ऊर्जा के उपयोग, ग्रामीण परिवहन, संचार, विस्तार सेवाएं, ग्रामीण विद्युतीकरण की भूमिका, प्रकार तथा समस्याएं, ग्रामीण सामाजिक अधोसंरचना—शिक्षा तथा स्वास्थ्य तथा सूचना प्रकीर्णन,</p> <p>Use of land, water and energy; Rural transport, communication, banking, extension services, role, modes and problems of rural electrification; Rural social infrastructure,- education and health and information dissemination.</p>
UNIT- IV	<p>कृषि उत्पादन— संसाधन उपयोग तथा दक्षता, कृषि में उत्पादन फलन, साधन संयोग तथा संसाधन प्रतिस्थापन, लागत तथा पूर्ति वक्र, जोत का आकार तथा प्रतिफल के नियम—सैद्धांतिक तथा आनुभविक निष्कर्ष, फार्म बजटींग तथा लागत अवधारणाएं, एकल फसल का पूर्ति प्रत्युत्तर तथा समग्र आपूर्ति, परम्परागत कृषि में संसाधन उपयोग दक्षता, तकनीकी परिवर्तन, श्रम अवशोषण तथा कृषि सेवाओं में लैंगिक पहलू।</p>

	Agricultural production - Resource use and efficiency; Production function analysis in agriculture; Factor combination and resource substitution; Cost and supply curves; Size of farm and laws of returns - Theoretical and empirical findings; Farm budgeting and cost concepts; Supply response of individual crops and aggregate supply; Resource use efficiency in traditional agriculture; Technical change, labour absorption and gender issues in agricultural services.
UNIT- V	भू-उपयोग के सिद्धांत, भू-वितरण- संरचना तथा प्रवृत्तियाँ, भू धारण भू-काश्तकारी तथा फसल बटाईदारी, सीमांत तथा लघु कृषकों की समस्याएं भू-सुधार उपाय एवं निष्पादन, महिलाएं एवं भू-सुधार
	Principles of land utilization, land distribution-structure and trends, land tenures, Tenancy and Crop sharing, Problems of marginal and small farmers, Land reforms measures and performance; Women and land reforms
BASIC READING LIST	
<ul style="list-style-type: none"> • Bhaduri, A. (1984), <u>The Economic Structure of Backward Agriculture</u>, Macmillan Delhi. • Bilgrami, S.A.R. (1996), <u>Agricultural Economics</u>, Himalaya Publishing House, Delhi. • Dantwala, M.L.et.al (1991), <u>Indian Agricultural Development Since Independence</u>, Oxord & IBH, New Delhi. • Gulati, A. and T. Kelly (1999), <u>Trade Liberalisation and Indian Agriculture</u>, Oxford University Press, New Delhi. • Joshi, P.C. (1975), <u>Land Reforms in India : Trends and Prospects</u>, Allied Publishers, Bombay. • Kahlon, A.S. and Tyagi D.S. (1983), <u>Agriculture Price Policy in India</u>, Allied Publishers, New Delhi. • Rao, C.H. Hanimantha (1975), <u>Agricultural Growth, Rural Poverty and Environmental Degradation in India</u>, Oxford University Press, New Delhi. • Rudra, A. (1982), <u>Indian Agricultural Economics : Myths and Reality</u>, Allied Publishers New Delhi. • Saini, G.R. (1979), <u>Farm Size Resource Use Efficiency and income Distribution</u>, Allied Publishers New Delhi. • Bardhan, P. (1984), <u>Land Labour and Rural Poverty</u>, Oxford University Press, New Delhi. • Chadha, G.K. and A.N. Sharma (1997), <u>Growth Employment and Poverty : Change and Continuity in Rural India</u>, Vikas Publishing, New Delhi. • Chaudhary, P. (1972), <u>Readings in Indian Agricultural Development</u>, George Allen & Unwin, London. • Dantwala, M.L. (1996), <u>Dilemmas of Growth : The Indian Experience</u>, Sage Publications, New Delhi. • Ghatak, S. and K. Ingerscent (1984), <u>Agriculture and Economic Development</u>, Selectbooks, New Delhi. • Raj, K.N.et.al (1988), <u>Essays in the Commercialization of Indian Agriculture</u>, Oxford University Press, New Delhi. 	

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305 (ELECTIVE)- (C): ENVIRONMENTAL ECONOMICS-I**305 (ELECTIVE)- (C):पर्यावरणीय अर्थशास्त्र-I**

UNIT- I	पेरेटो अनुकूलतम तथा प्रतियोगितात्मक साम्यावस्था, कल्याणकारी अर्थशास्त्र के मूलभूत प्रमेय, बाह्यताएं तथा बाजार अदक्षता— विलुप्त हुए बाजार के रूप में बाह्यताएं, बाह्यताएं तथा सम्पत्ति अधिकार, गैर-उत्तलता (non-convexities) एवं बाह्यताएं,
	Pareto optimality and competitive equilibrium; Fundamental theorems of welfare economics; Externalities and market inefficiency - externalities as missing markets; property rights and externalities, non-convexities and externalities;
UNIT- II	सार्वजनिक वस्तुओं का पेरेटो अनुकूलतम प्रावधान— लिण्डहाल की साम्यावस्था, प्राथमिकता प्रदर्शन समस्या तथा अशुद्ध एवं मिश्रित सार्वजनिक वस्तुएं, सार्वजनिक सम्पत्ति संसाधन
	Pareto optimal provision of public goods - Lindahl's equilibrium, preference revelation problem and impure and mixed public goods, common property resources.
UNIT- III	उपयोग मूल्य, विकल्प मूल्य एवं गैर उपयोग मूल्य, मूल्यांकन विधियाँ— बाजार अवलोकन आधारित विधियाँ, हेडोनिक सम्पत्ति मूल्य तथा घरेलू उत्पादन प्रादर्श (यात्रा लागत विधि एवं घरेलू स्वास्थ्य उत्पादन फलन), कल्पित बाजार प्रत्युत्तर आधारित विधियाँ, आकस्मिक मूल्यांकन विधियाँ
	Use values, Option values and non-use values; Valuation methods - Methods based on observed market behaviour; Hedonic property values and household production models (travel cost method and household health production function), Methods based on response to hypothetical markets, contingent valuation methods.
UNIT- IV	पर्यावरणीय बाह्यताएं, पीगूवियन कर एवं उपादान, विपणनीय प्रदूषण अनुमति एवं मिश्रित उपकरण (भार तथा प्रमाप दृष्टिकोण), कोस का सौदेबाजी समाधान तथा सामूहिक कार्यवाही
	Environmental externalities - Pigouvian taxes and subsidies, marketable pollution permits and mixed instruments (the charges and standards approach), Coase's bargaining solution and collective action;
UNIT- V	अनौपचारिक नियमन एवं प्रदूषण नियंत्रण का नवीन प्रादर्श, पर्यावरणीय नियमन का प्रगति परीक्षण एवं कार्यान्वयन

Informal regulation and the new model of pollution control, Monitoring and enforcement of environmental regulation,

BASIC READING LIST

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Delhi.

- Sengupta, R.P. (2001), Ecology and Economics : An Approach to Sustainable Development, Oxford University Press, New Delhi.

305 (ELECTIVE)- (D): ECONOMICS OF INSURANCE – I**305 (ELECTIVE)- (D): बीमा का अर्थशास्त्र- I**

UNIT- I	आर्थिक सुरक्षा, समय के माध्यम से मानव के आर्थिक सुरक्षा के प्रयास, हानि के प्रति , बीमा की भूमिका, बीमा की परिभाषा, जोखिम संग्रहण एवं जोखिम विस्तार
	Economic security; Human quest for economic security through time; Exposure to losses; Role of insurance; Definition of insurance; Risk pooling and risk transfer.
UNIT- II	आर्थिक एवं सामाजिक परिप्रेक्ष्य, सामाजिक एवं निजी बीमा, जीवन एवं गैर जीवन बीमा, जीवन स्वास्थ्य तथा सामान्य बीमा पॉलिसी
	Economic and legal perspectives, Social vs. private insurance; Life vs. non-life insurance; Classification of life, health and general insurance policies.
UNIT- III	अनिश्चितता एवं जोखिम के मूल तत्व, विशुद्ध एवं सट्टे की जोखिम, प्रत्याशित उपयोगिता तथा अनिश्चितता के अंतर्गत निर्णयन, प्रत्याशित उपयोगिता तथा बीमा की मांग, नैतिक संकट तथा बीमा की मांग
	Fundamentals of uncertainty and risk; Pure risk and speculative risk; Expected utility and decision-making under uncertainty; Expected utility and the demand for insurance; Moral hazard and insurance demand;
UNIT- IV	जोखिम प्रबंधन की अवधारणा, जोखिम प्रबंधन के सार तत्व, जोखिम मूल्यांकन, जोखिम नियंत्रण एवं जोखिम वित्तपोषण, विश्व व्यापी जोखिम समवहनता, पुर्न बीमा की अवधारणा, पुर्न बीमा के मूल तत्व, पुर्न बीमा के प्रकार, पुर्न बीमा वितरण प्रणाली, विकासशील देशों में पुर्न बीमा बाजार
	Concept of risk management; Essentials of risk management; - Risk assessment; Risk control and risk financing; World wide risk sharing - Concept of reinsurance, Fundamentals of reinsurance, Types of reinsurance; Reinsurance distribution systems, Reinsurance markets in developing countries.
UNIT- V	आर्थिक विकास में जोखिम प्रबंधन एवं बीमा, वित्तीय मध्यस्थ के रूप में बीमा संस्थाएं, विनियोग संस्थाओं के रूप में बीमा संस्थाएं, भारतीय पूंजी बाजार में बीमा संस्थाएं,
	Risk management and insurance in economic development, Insurance institutions as financial intermediaries; Insurance institutions as investment institutions; Insurance institutions in Indian capital market.

SELECT READINGS :

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- Head, G.L. and S. Horn II (1991), Essentials of Risk Management, Volume I, Insurance Institute of America, Malvern, Pa.
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M.A. (Fourth Semester)						
COURSE CODE	COURSE TITLE		Max. Marks	Continuous Evaluation	End Semester exams	Credits
401 (CORE)	INTERNATIONAL ECONOMICS-II अंतर्राष्ट्रीय अर्थशास्त्र-II		100	40	60	4
402 (CORE)	INDIAN ECONOMY: STRUCTURE, PROBLEMS AND POLICY-II भारतीय अर्थव्यवस्था: संरचना समस्याएं व नीतियां -II		100	40	60	4
ELECTIVES (ऐच्छिक)						
403 (ELECTIVES) (Any One)	(A)	LABOUR ECONOMICS-II OR श्रम अर्थशास्त्र-II अथवा	100	40	60	4
	(B)	MATHEMATICAL ECONOMICS- II OR गणितीय अर्थशास्त्र-II अथवा	100	40	60	4
	(C)	DEMOGRAPHY-II OR जनांकिकी -II अथवा	100	40	60	4
	(D)	HISTORY OF MODERN ECONOMIC THOUGHT-II आधुनिक आर्थिक विचारों का इतिहास-II	100	40	60	4

404 (ELECTIVES) (Any One)	(A)	INDUSTRIAL ECONOMICS-II OR औद्योगिक अर्थशास्त्र-II अथवा	100	40	60	4
	(B)	ECONOMETRICS-II OR अर्थमिति-II अथवा	100	40	60	4
	(C)	ECONOMICS OF GENDER AND DEVELOPMENT-II OR लिंग तथा विकास का अर्थशास्त्र-II अथवा	100	40	60	4
	(D)	ECONOMICS OF INFRASTRUCTURE - II OR अधःसंरचना का अर्थशास्त्र- II अथवा	100	40	60	4
405 ELECTIVES) (Any One)	(A)	WELFARE ECONOMICS – II कल्याणवादी अर्थशास्त्र– II	100	40	60	4
	(B)	AGRICULTURAL ECONOMICS-II OR कृषि अर्थशास्त्र-II अथवा	100	40	60	4
	(C)	ENVIRONMENTAL ECONOMICS-II OR पर्यावरणीय अर्थशास्त्र-II अथवा	100	40	60	4
	(D)	ECONOMICS OF INSURANCE –II OR बीमा का अर्थशास्त्र– II अथवा	100	40	60	4
406	PROJECT WORK – II					2
407	SKILL DEVELOPMENT (कौशल विकास)					4
Total Valid Credits in Fourth Semester			500	200	300	26

Virtual Credits						
PAPER 407	COMPREHENSIVE TERM-END VIVA-VOCE		100			4

401 (CORE): INTERNATIONAL ECONOMICS-II**401 (CORE): अंतर्राष्ट्रीय अर्थशास्त्र-II**

UNIT- I	<p>आर्थिक सहयोग के प्रकार, वैश्विक स्तर पर व्यापारिक गुटों की उत्पत्ति में सुधार— मुक्त व्यापार क्षेत्र तथा कस्टम संघ के स्थिर एवं गतिमान प्रभाव, सार्क साप्टा, आसियान क्षेत्र का औचित्य एवं आर्थिक वृद्धि, आसियान क्षेत्र में सीमा शुल्क यूनियन के निर्माण की समस्याएं एवं संभावनाएं क्षेत्रीयतावाद (E.U., NAFTA)</p> <p>Forms of economic cooperation; Reforms for the emergence of trading blocs at the global level; Static and Dynamic effects of a customs union and free trade areas; Rationale and economic progress of SAARC/SAPTA and ASEAN regions. Problems and prospects of forming a customs union in the Asian region. Regionalism (EU,NAFTA);</p>
UNIT- II	<p>बहुपक्षीयवाद तथा डब्लू.टी.ओ., स्वर्णमान का उदय एवं पतन तथा ब्रिटनवुडस की व्यवस्था, अंतर्राष्ट्रीय संरक्षित कोषों की आवश्यकता, पर्याप्तता एवं निर्धारक, अंतर्राष्ट्रीय मुद्रा कोष की शर्तें एवं उपबंध, विकासशील देशों में उत्तर मैस्ट्रीच संधि के विशेष संदर्भ में अंतर्राष्ट्रीय मौद्रिक व्यवस्था में विकास, अंतर्राष्ट्रीय मौद्रिक व्यवस्था में सुधार, भारत एवं विकासशील देश, अल्पकालीन पूंजी प्रवाह का सिद्धांत एवं पूर्वी एशियाई संकट, विकासशील देशों के लिए सबक</p> <p>Multilateralism and WTO; Rise and fall of gold standard and Bretton-woods system; Need, adequacy and determinants of international reserves; Conditionality clause of IMF; Emerging International Monetary System with special reference to Post-Maastricht developments and developing countries; Reform of the International Monetary System. India and developing countries; Theory of short-term capital movements and East-Asian Crisis and lessons for developing countries;</p>
UNIT- III	<p>अंतर्राष्ट्रीय व्यापार एवं वित्तीय संस्थाएं— गैट/डब्लू.टी.ओ. के कार्य (TRIPS , TRIMS) अंकटाड, आई.एम.एफ. विश्व बैंक, एशिवाई विकास बैंक—इनकी उपलब्धि एवं असफलताएं, भारत के दृष्टिकोण से डब्लू.टी.ओ. एवं विश्व बैंक ।</p> <p>International trade and financial institutions- Functions of GATT/WTO (TRIPS. TRIMS), UNCTAD, IMF, World Bank and Asian Development Bank - Their achievements and failures; WTO and World Bank from the point of view of India.</p>

UNIT- IV	पिछले पांच दशकों से भारत में व्यापार की समस्याएं एवं नीतियां, वर्तमान व्यापार की दिशा एवं उसकी संरचना में परिवर्तन तथा निहितार्थ
	Trade problems and trade policies in India during the last five decades; Recent changes in the direction and composition of trade and their implications;
UNIT- V	1991 के बाद हुए व्यापारिक सुधारों का भुगतान शेष, रोजगार व आर्थिक संवृद्धि पर प्रभाव तथा औचित्य, भारत के अंतर्राष्ट्रीय ऋणों की समस्या, भारत में बहुराष्ट्रीय कंपनियों की कार्य प्रणाली एवं उनका नियमन, , निर्यात संवर्द्धन के उपकरण तथा वर्तमान आयात निर्यात की नीतियां एवं भविष्य के लिए कार्यसूची ।
	Rationale and impact of trade reforms since 1991 on balance of payments, employment and growth, problems of India's international debt; Working and regulations of MNCs in India; Instruments of export promotion and recent import and export policies and agenda for future.

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401 (CORE): INDIAN ECONOMY STRUCTURE, PROBLEMS AND POLICY-II**401 (CORE): भारतीय अर्थव्यवस्था: संरचना समस्याएं व नीतियां -II**

UNIT- I	औद्योगिक नीति, सार्वजनिक, क्षेत्र के उपक्रम व उनका निष्पादन, भारत में बीमार इकाइयों की समस्या, निजीकरण एवं विनिवेश वाद-विवाद, औद्योगिकीकरण का विकास एवं स्वरूप, लघु उद्योग, औद्योगिक क्षेत्र की उत्पादकता, निर्गम नीति, श्रम बाजार में सुधार, रोजगार सृजन दृष्टिकोण।
	Industrial policy; Public Sector enterprises and their performance; Problem of sick units in India; Privatisation and disinvestment debate; Growth and pattern of industrialisation; Small-scale sector; Productivity in industrial sector; Exit policy - issues in labour market reforms; Approaches for employment generation.
UNIT- II	भारत में कीमतों की प्रवृत्तियों का विश्लेषण, वित्तीय क्षेत्र सुधार, ब्याज दर नीति, रिजर्व बैंक की मौद्रिक नीति का पुनरीक्षण, मुद्रा एवं पूंजी बाजार, भारत में सेबी की कार्यप्रणाली
	Analysis of price behaviour in India; Financial sector reforms; Interest rate policy; Review of monetary policy of RBI; Money and capital markets; Working of SEBI in India.
UNIT- III	विदेशी व्यापार की संरचना एवं दिशा, भुगतान शेष आयात, निर्यात नीति तथा फेमा (FEMA), विनियम दर नीति, भारत में विदेशी पूंजी तथा बहुराष्ट्रीय कंपनियां, भारत में व्यापार सुधार में प्रगति।
	Structure and direction of foreign trade; Balance of payments; Issues in export-import policy and FEMA; Exchange rate policy; Foreign capital and MNCs in India; The progress of trade reforms in India.
UNIT- IV	आंतरिक एवं बाह्य सुधार का औचित्य, भारतीय अर्थव्यवस्था का विश्वव्यापीकरण, विश्व व्यापार संगठन तथा अर्थव्यवस्था के विभिन्न क्षेत्रों पर उसका प्रभाव, सुशासन की आवश्यकता तथा मुद्दे, भारतीय अर्थव्यवस्था में प्रतियोगिता तथा सुरक्षा जाल का मुद्दा।
	Rationale of internal and external reforms; Globalisation of Indian economy; W.T.O. and its impact on the different sectors of the economy; Need for and issues in good governance; Issues in competition and Safety nets in Indian economy.
UNIT- V	ग्यारहवीं पंचवर्षीय योजना, तेरहवां वित्त आयोग, ज्ञान आयोग, 2011 की जनगणना
	Eleventh Five Year Plan; Thirteenth Finance Commission, Knowledge Commission, Census 2011.

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403 (Elective)- (A): LABOUR ECONOMICS-II**403 (Elective)- (A): श्रम अर्थशास्त्र-II**

UNIT- I	समष्टि व व्यष्टि स्तर में स्फीति एवं मजदूरी संबंध, उत्पादकता एवं मजदूरी संबंध, श्रम बाजार दृढता का विश्लेषण, श्रम बाजार में मजदूरी निर्धारण में असममित सूचनाएं तथा दक्षताएं, राष्ट्रीय मजदूरी नीति, भारत में मजदूरी एवं मजदूरी आयोग, बोनस एवं लाभ विभाजन प्रक्रिया
	Inflation-wage relationship at micro and macro levels; Productivity and wage relationship; Analysis of rigidity in labour markets; Asymmetric information and efficiency of labour markets in wage determination; National wage policy; Wages and Wage Boards in India; Bonus system and profit sharing.
UNIT- II	श्रम आंदोलन के सिद्धांत— भारत में श्रम संगठन का विकास, प्रारूप, एवं संरचना, श्रम संगठन का सफलतायें, भारत में औद्योगिक संघवाद संघर्ष एवं समस्याएं तथा बचाव के तरीके, त्रिपक्षीय भूमिका,
	Theories of labour movement - Growth, pattern and structure of labour unions in India, Achievements of labour unions; Causes of industrial disputes and their settlement and prevention mechanism; Role of tripartism;
UNIT- III	सामूहिक सौदेबाजी की वर्तमान प्रवृत्तियों, न्यायिक सक्रियतावाद की भूमिका, भारत में श्रम सन्नियम, भारत में श्रम नीति, अंतरराष्ट्रीय श्रम संगठन के संदर्भ में।
	Current trends in collective bargaining; Role of judicial activism; Labour legislation in India; Indian labour laws and practices in relation to international labour standards.
UNIT- IV	राज्य तथा श्रम की सामाजिक सुरक्षा, सामाजिक सुरक्षा— अर्थ एवं उदगम, सामाजिक सहायता एवं सामाजिक बीमा, भारत में सामाजिक सुरक्षा एवं श्रम कल्याण की विभिन्न राज्यीय नीतियों का पुनरीक्षण एवं मूल्यांकन, विशेष श्रम समस्याएं— बाल श्रमिक, महिला श्रमिक
	State and social security of labour - Concept of social security and its evolution; Social assistance and social insurance; Review and appraisal of states policies with respect to social security and labour welfare in India; Special problems of labour; Child labour, female labour,

UNIT- V	<p>श्रम के प्रति दृष्टिकोण में विभेद तथा लिंग के आधार पर पक्षपात, राज्य परावृत्तन एवं श्रम बाजार की कार्यप्रणाली पर उसका प्रभाव, श्रम बाजार सुधार— निर्गम नीति, सुरक्षा जाल की आवश्यकता, श्रम बाजार में आंशिक लचीलेपन के उपाय, श्रमिकों पर द्वितीय राष्ट्रीय आयोग, विश्वव्यापीकरण एवं श्रम बाजार।</p>
	<p>Discrimination and gender bias in treatment of labour; Receding state and its effect on working of labour markets; Labour market reforms - Exit policy, need for safety nets, measures imparting flexibility in labour markets; Second National Commission on Labour; Globalization and labour markets.</p>

BASIC READING LIST

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403 (Elective)- (B): MATHEMATICAL ECONOMICS-II**403 (Elective)- (B): गणितीय अर्थशास्त्र-II**

UNIT- I	प्रतिष्ठित एवं कीन्सीयन समष्टि प्रणाली, स्थैतिक एवं प्रावेगिक गुणक, निवेश के निर्धारक, त्वरक, सेम्युलसन, हिक्स, गुडविन, कलेकी एवं फिलीपस् के व्यापार चक्र प्रादर्श, विवेकपूर्ण प्रत्याशाएं एवं आर्थिक नीति, लुकास का प्रादर्श
	Classical and Keynes' macro system; Static and dynamic multiplier; Determinants of investment; Accelerator; Trade cycle model of Samuelson and Hicks, Goodwin, Kalecki and Philips; Rational expectations and economic policy; Lucas's model.
UNIT- II	हैरॉड समस्या, विकास के नव- प्रतिष्ठित प्रादर्श, सोलो व मीड का तकनीक प्रगति सहित विकास मॉडल, अनुकूलतम विकास तथा संचयन का स्वर्णिम नियम, आर्तजन्य (Endogenous) विकास, स्थैतिक एवं प्रावेगिक गुणक, त्वरक।
	Harrod problem; Neoclassical model of growth; Solow and Meade growth models with technical progress; Optimal growth; and golden rule of accumulation Endogenous growth. Static and Dynamic multiplier, Accelerator.
UNIT- III	खेल की अवधारणा- द्वि व्यक्ति शून्य योग खेल, भुगतान तालिका, शुद्ध व मिश्रित युक्तियाँ, मैक्सीमन व मिनीमेक्स हल, पल्याण बिन्दु हल, अलियतांक योग खेल,
	Concept of game - Two-person zero-sum game, Pay-off matrix, Pure and mixed strategies, Maximin and minimax solutions, Saddle point solution; Non-constant sum game;
UNIT- IV	रैखीय प्रोग्रामिंग, प्राइमल व दुअल समस्या, सिम्पलैक्स विधि, यातायात व संग्रहण समस्या तथा रैखीय प्रोगोमिंग के अर्थशास्त्र में अन्य अनुप्रयोग
	Linear programming - Primal and dual problem, Simplex method; transport and storage problems and other applications of linear programming in economics;
UNIT- V	आगत-निर्गत विश्लेषण-मुक्त व बंद प्रणाली, हॉकिन्स-साइमन दशाएं।
	Input-output analysis - Open and closed systems. Hawkins- Simon conditions.

BASIC READING LIST

- Allen, R.G.D.(1976), Mathematical Economics, Macmillan, London.
 - Arrow, K.J. and M. Intrilligator (Eds.) (1982), Handbook of Mathematical Economics, Volumes I, II and III, North Holland, Amsterdam.
 - Henderson, J.M. and R.E. Quandt (1980), Microeconomic Theory: A Mathematical Approach, McGraw Hill, New Delhi.
 - Chung, J.W.(1993), Utility and Production : Theory and Applications, Basil Blackwell, London.
 - Ferguson, C.E.(1976), Neo-classical Theory of Production and Distribution,
 - Chiang, A.C.(1986), Fundamental Methods of Mathematical Economics, McGraw Hill, New York.
 - Mustafi, : Operation Reserch : Methods and Practice
 - Hadley, G : Linear Programming
 - Nash, J.F. : Essays on Game Theory
 - Samuelson, : Foundations of Economic Analysis
 - Mehta and Madnani : Mathematics Economists
 - Yamane : Mathematics for Economists
- महेश चन्द्र मल्होत्रा : अर्थशास्त्रीय गणित

403 (Elective)- (C): DEMOGRAPHY-II	
403 (Elective)- (C): जनांकिकी -II	
UNIT- I	भारत में जनगणना का अध्ययन—जनगणना की विधि एवं विशेषताएं, 1991 तथा 2001 जनगणना में एकत्रित जानकारी की प्रकृति। राष्ट्रीय परिवार स्वास्थ्य सर्वेक्षण 1 तथा 2 तथा त्वरित घरेलू सर्वेक्षण।
	Study of census in India - Methodology and characteristics of census; Nature of information collected in 1991 and 2001 censuses in India; National Family Health Survey 1 and 2 and Rapid Household Survey;
UNIT- II	भारत में जनसंख्या के परिवर्ती अभिलक्षण। जनसंख्या विकास दर, प्रवृत्तियाँ तथा लिंगानुपात में क्षेत्रीय विचलन। जनसंख्या की आयु संरचना। भ्रूण, शिशु तथा शिशु मृत्यु दर। वैवाहिक—मृत्यु दर। जीवन प्रत्याशा। केरल माडल का मूल्यांकन, भारत में प्रवासन तथा नगरीकरण के स्वरूप।
	Changing characteristics of population in India; Population growth rates, trends and regional variations in sex ratio; Age structure of population, foetal, infant and child mortality rates; Maternal mortality rates; Life expectancy; Appraisal of Kerala model; Pattern of Migration and Urbanization in India.
UNIT- III	जनसंख्या, अर्थव्यवस्था तथा पर्यावरण की कड़ियों, जनसंख्या, स्वास्थ्य, पोषण, उत्पादकता अंतर्बन्धन, जनसंख्या तथा मानव विकास मुद्दे, संस्कृति तथा उर्वरता, शिक्षा तथा उर्वरता, जनांकिकी तथा घरेलू आर्थिक व्यवहार।
	Population, economy and environment linkages - Population, health, nutrition productivity nexus; Population and human development issues; Culture and fertility, Education and fertility, Demography and household economic behaviour.
UNIT- IV	भारत में जनसंख्या नीति का मूल्यांकन— जनसंख्या नीति में परिवार नियंत्रण से परिवार कल्याण तथा नारी सशक्तिकरण परिवर्तन। परिवार नियोजन रणनीति तथा उसके परिणाम, पुर्नउत्पादक स्वास्थ्य, वैवाहिक पोषण तथा शिशु स्वास्थ्य नीति।
	Evolution of population policy in India - The shift in policy from population control to family welfare, to women empowerment; Family planning strategies and their outcomes; Reproductive health maternal nutrition and child health policies;
UNIT- V	विभिन्न सामाजिक समूह के मानवीय विकास हेतु जनसंख्या तथा रणनीतियां। नव— पुर्नउत्पादक प्रौद्योगिकियाँ उनके विनियमन के सामाजिक प्रभाव। नवीन जनसंख्या नीति। राष्ट्रीय जनसंख्या आयोग के सम्मुख कार्य।

Population and strategies for human development of different social groups; Social impact of new reproductive technologies and their regulation; The new population policy; Tasks before the National Population Commission.

SELECT READING :

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- Agrawala, S.N. (1972), India's Population Problem, Tata McGraw-Hill Co., Bombay.
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- Jhabwala, R. and R.K.Subramanya (2000) (Eds.), The Unorganized Sector : Work Security and Social Protection, Sage, New Delhi.
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Washington, D.C.

- Sudarshan and A.Shariff (1999), Gender, Population and Development, Oxford University Press, New Delhi.

403 (Elective)- (D): HISTORY OF MODERN ECONOMIC THOUGHT-II

403 (Elective)- (D): आधुनिक आर्थिक विचारों का इतिहास-II

UNIT- I	जेम्स बुकानन राबर्ट सोलो मौरिस एलियास हैरी मार्कोविट्ज
	Buchanan, James M. Solow, Robert M. Allais, Maurice Markowitz, Harry M.
UNIT- II	रोनाल्ड कोज जॉन नेश ट्राइगेव हेवेलमो गैरी बेकर
	Coase, Ronald H. Nash, John F. Haavelmo, Trygve Becker Gary S.
UNIT- III	डगलस नार्थ मर्टन मिलर जॉन हरसियानी

	मायरान शोल्स्
	North, Douglas C Miller, Merton H. Harsanyi, John C. Scholes, Myron
UNIT- IV	राबर्ट मर्टन राबर्ट लूकास विलियम शार्प विलियम विकेरी
	Merton, Robert C. Lucas, Robert - J. Sharpe, William F. Vickery, William J.
UNIT- V	अर्मत्य सेन पाल कुगमेन माइकल स्पेन्स एडमंड फेल्प्स
	Sen, Amartya K. Krugman, Paul Spence A. Michel Phelps Edmund S.
BASIC READING LIST	
Buchanan, J.M. (1962), <u>The Calculus of Consent with G.Tullock</u> , University of Michigan Press, Michigan.	

Buchanan, J.M. (1968), The Demand and Supply of Public Goods, Rand McNally, Chicago.

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Solow, R. M. (1987) Growth Theory and After: Nobel Lecture.

Allais, M (1943) In Quest of Economic Discipline.

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Allais, M (1978) Contribution to Economic Sciences.

Markowitz, H. M. (1952) The Portfolio Selection, The Journal of Finance, Vol. 7.

Markowitz, H. M. (1976) Investment for the Long Run: New Evidence for an old Rule, The Journal of Finance, Vol. 31.

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Coase, R. (1937) The Nature of the Firm, Economica, Vol. IV.

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- Becker, G.S. (1968) Crime and Punishment: An Economic Approach, Journal of Political Economy, Vol. 76.
- Becker, G.S. (1974) A Theory of Marriage, Part I & II, Journal of Political Economy, Vol. 82.
- Becker, G.S. (1976) The Economic Approach to Human Behaviour, Chicago University Press, Chicago.
- Becker, G.S. (1981) A Treatise on the Family, MIT Press, Cambridge, Mass.
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- North, D.C. (1963), Quantitative Research in Economic History, American Economic Review, Vol. 53.
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- Sharpe, W.F. (1964) Capital Asset Price- A Theory of Market Equilibrium under Conditions of Risk. The Journal of Finance, Vol.19.
- Sharpe, W.F. (1965) Risk-Aversion in the Stock Market: Some Empirical Evidence, The Journal of Finance, Vol. 20.
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Michael Spence A. (1979) Investment Strategy and Growth in a New Market, The Bell Journal of Economics, Vol. 10, No. 1

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404 (Elective)- (A): INDUSTRIAL ECONOMICS-II**404 (Elective)- (A): औद्योगिक अर्थशास्त्र-II**

UNIT- I	भारत में क्षेत्रीय औद्योगिक विकास, औद्योगिक आर्थिक संकेद्रण तथा निदानात्मक उपाय, औद्योगिक बहुतायत तथा पर्यावरण संरक्षण मुद्दे, प्रदूषण नियंत्रण नीतियां।
	Regional industrial growth in India; Industrial economic concentration and remedial measures; Issues in industrial proliferation and environmental preservation; Pollution control policies.
UNIT- II	लागत-लाभ विश्लेषण- वर्तमान शुद्ध मूल्य (NPV) एवं आन्तरिक प्रत्याय दर मापदण्ड- निजि तथा सामाजिक प्रत्याय में संतुलन
	Cost-benefit analysis- Net Present Value (NPV) and internal rate of return (IRR) criteria- balancing private and social returns.
UNIT- III	कोष के निजि बाह्य तथा अन्य घटक, संस्थागत वित्त की भूमिका, प्रकृति, आकार एवं प्रकार, भारतीय औद्योगिक विकास बैंक (IDBI), भारतीय औद्योगिक वित्त निगम (IFCI), राज्यीय वित्त निगम (SFCs), राज्य औद्योगिक विकास निगम (SIDC), वाणिज्यिक बैंक आदि। वित्तीय विवरण- तलपट लाभ-हानि खाते, वित्तीय सुदृढ़ता का मूल्यांकन, अनुपात विश्लेषण।
	Owned, external and other components of funds; Role, nature, volume and types of institutional finance - IDBI, IFCI, SFCs, SIDC, commercial banks, etc.; Financial statement - Balance sheet, Profit and loss account; assessment of financial soundness, ratio analysis.
UNIT- IV	औद्योगिक श्रम की संरचना, भारतीय उद्योगों की रोजगार विमाएं, औद्योगिक विधायन, औद्योगिक सम्बन्ध, निर्गम नीति तथा सामाजिक सुरक्षा। श्रमिक वेतन तथा बोनस की समस्याएं- श्रम बाजार सुधार।
	Structure of industrial labour; Employment dimensions of Indian industry; Industrial legislation; Industrial relations; Exit policy and social security; Wages and problem of bonus - labour market reforms.
UNIT- V	लौह एवं इस्पात, कपास एवं वस्त्र, जूट, शर्करा, कोयला, सीमेंट तथा इंजीनियरिंग वस्तुएं, भारत में लघु तथा कुटीर उद्योगों का विकास।
	Iron and Steel; Cotton textiles; Jute; Sugar; Coal; Cement and engineering goods; Development of small-scale and cottage industries in India.

BASIC READING LIST

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404 (Elective)- (B): ECONOMETRICS-II	
404 (Elective)- (B): अर्थमिति-II	
UNIT- I	परिचय तथा उदाहरण— युगपत समीकरण, युगपत समीकरण अभिनति एवं न्यूनतम वर्ग विधि आकलकों असुसंगतता, तादात्मता की समस्या, तादात्मता नियम—क्रम तथा कोटि शर्तें
	Introduction and examples; The simultaneous equation bias and inconsistency of OLS estimators; The identification problem; Rules of identification - order and rank conditions;
UNIT- II	युगपत समीकरण प्रणाली के आकलन की विधियां, रिकर्सिव विधि तथा न्यूनतम वर्ग विधि, अप्रत्यक्ष न्यूनतम वर्ग विधि (ILS), द्वि चरण न्यूनतम वर्ग विधि (2SLS), त्रि चरण न्यूनतम वर्ग विधि (3SLS) व अधिकतम संभवना विधिया (ML) – तथा अनुप्रयोग।
	Methods of estimating simultaneous equation system; Recursive methods and OLS; Indirect least squares (ILS); 2SLS, 3SLS and ML methods - Applications.
UNIT- III	स्थवरता, इकाईमूल, सह—समाकलन— मित्थ्या समाश्रयण, डिकी—फुलर परीक्षण, एंजिल ग्रेगर परीक्षण, यादृच्छिक गमन मॉडल, स्वसहसंबंधित समेकित चल माध्य विधि (ARIMA) द्वारा पूर्वानुमान, बॉक्स—जैन्किस् विधि
	Stationarity, unit roots, co-integration-spurious regression, Dickey-Fuller test, Engle-Granger test, Random walk model, Forecasting with ARIMA modelling; Box-Jenkins methodology.
UNIT- IV	पेनल समंक तकनीक, न्यादर्श गुणांक प्रादर्श, स्थिर गुणांक प्रादर्श, न्यादर्श प्रभाव प्रादर्श
	Panel data techniques- Random coefficients model; Fix effect model; Random effect model.
UNIT- V	बहुपद प्रायिकता बंटन, सीमांत एवं सशर्त प्रायिकता बंटन, बहुपद सामान्य वितरण व इसके गुणधर्म, हॉटलिंग टी स्केल विभेदात्मक विश्लेषण
	Multivariate probability distribution, marginal and conditional probability distribution, multivariate normal distribution and its properties; Hotelling T-scale; Discriminant analysis.

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404 (Elective)- (C): ECONOMICS OF GENDER AND DEVELOPMENT-II

404 (Elective)- (C): लिंग तथा विकास का अर्थशास्त्र-II

UNIT- I	<p>श्रम बाजार में महिलाओं के प्रवेश को प्रभावित करने वाले कारक— विकसित तथा विकासशील देशों विशेषकर भारत में महिला श्रम की मांग व पूर्ति। कृषि, गैर कृषि, ग्रामीण गतिविधियां, अनौपचारिक क्षेत्र, कुटीर तथा लघु उद्योग, संगठित उद्योग तथा सेवा क्षेत्रों आदि में महिलाओं की कार्य भागीदारी का अध्ययन। महिला गतिविधियों में मजदूरी अंतर, मजदूरी अंतर, लिंग, शिक्षा कौशल, उत्पादकता, दक्षता, अवसर के निर्धारक, क्षेत्र तथा आर्थिक क्षेत्रों में मजदूरी संरचना।</p> <p>Factors affecting female entry in labour market; Supply and demand for female labour in developed and developing countries, particularly India; Studies of female work participation in agriculture, non-agricultural rural activities, informal sector, cottage and small-scale industries, organized industry, and services sector; Wage differentials in female activities; Determinants of wage differentials; gender, education, skill, productivity, efficiency, opportunity; Structures of wages across regions and economic sectors.</p>
UNIT- II	<p>तकनीकी विकास तथा आधुनिकीकरण का विभिन्न क्षेत्रों जैसे कृषि, गैर कृषि, ग्रामीण गतिविधियां, लघु व कुटीर उद्योगों तथा संगठित उद्योगों आदि में महिला कार्य सहभागिता का प्रभाव। महिला गतिविधियां तथा पारिस्थितिकीय तथा पर्यावरणीय पहलू द्विमागी संबंध— महिलाओं की सहायता में नवीन तकनीकी की भूमिका— सूचना का प्रावधान तथा आर्थिक सेवाओं के सरल उत्पादन हेतु प्रशिक्षण।</p> <p>Impact of technological development and modernization on women's work participation in general and in various sectors such as agriculture, non-agriculture rural activities, small and cottage industries and organized industry - Female activities and ecological and environmental concerns: the two way relationship - Role of new technologies for helping women - Provision of information and training for simple harvesting of economic services.</p>
UNIT- III	<p>महिलाओं की सामाजिक सुरक्षा, अर्हता, आर्थिक स्वतंत्रता तथा जोखिम रक्षा सुनिश्चितीकरण, साख तथा बीमा बाजार में पहुंच। स्वयं सेवी संगठनों की भूमिका, सामाजिक सुरक्षा प्रदान करने हेतु स्व सहायता समूह की भूमिका, श्रम बाजार अभिनति तथा लिंग विभेद, सामूहिक सौदेबाजी का प्रभाव।</p>

	Social security of women; entitlements, ensuring economic independence and risk coverage, access to credit and insurance markets; Role of voluntary organizations, self help groups in providing social security; Labour market biases and gender discrimination; effectiveness of collective bargaining;
UNIT- IV	<p>महिलाओं के अधिकारों संपत्ति अधिकारों संपत्ति अधिकारों का पुनरावलोकन, सामाजिक सुरक्षा- महिलाओं हेतु सुरक्षा जाल की योजना। महिला श्रमिक संघ की आवश्यकता, महिलाओं हेतु सकारात्मक कार्य तथा उनके आर्थिक सामाजिक दशाओं में सुधार।</p> <p>Review of legislation for women's entitlements, protection of property rights, social security - Schemes for safety net for women; Need for female labour unions; affirmative action for women and improvement in their economic and social status.</p>
UNIT- V	<p>लिंग तथा विकास सूचकांक, विकास नीतियों की मुख्यधारा में लिंग समावेशीकरण । लिंग नियोजन तकनीक । लिंग संवेदनशील शासन महिलाओं के उन्नयन से महिलाओं के सशक्तीकरण प्रतिमान परिवर्तन। लोकतांत्रिक विकेंद्रीकरण (पंचायत) तथा भारत में महिला सशक्तीकरण।</p> <p>Gender and development indices; Mainstreaming gender into development policies; Gender-planning techniques; Gender sensitive governance; Paradigm shifts from women's well being to women's empowerment; Democratic decentralization (panchayats) and women's empowerment in India.</p>
<p>SELECT READINGS :</p> <ul style="list-style-type: none"> • Agnihotri, S.B. (2000), <u>Sex ratio in Indian Population : A Fresh Exploration</u>, Sage Publications, New Delhi. • Agrawal, B. (1994), <u>A Field of One's Own : Gender and Land Rights in South Asia</u>, Cambridge University Press, Cambridge. • Ahmed, I. (Ed.) (1985), <u>Technology and Rural Women : Conceptual and Empirical Issues</u>, George Allen & Unwin, London. • Amsden, A.H. (Endavours.) (1980), <u>The Economics of Women and Work</u>, Penguin, Harmondsworth. • Baud, I.S.A. (1992), <u>Forms of Production and Women's Labour : Gender Aspects of Industrialization in India and Mexico</u>, Sage Publications, New Delhi. • Buvinic, M. and M.A.Lycette (1989), 'Women, Poverty and Development in the Third World;', in Lewis J.P. (Ed.) <u>Strengthening the Poor : What Have We Learnt</u>, OECD. • Carr, M., C.Martha and Jhabvala (Eds.) (1997), <u>Speaking Out : Women's Economic Empowerment in South Asia</u>, Vistaar Publications, New Delhi. • Clusters, P. (1997), <u>Capital Accumulation and Women's Labour in Asian Economies</u>, Vistaar, New Delhi. • Dantwala, M.L., H.Sethi and P.Visaria (1998), <u>Social Change Through Voluntary Action</u>, Sage Publications, New 	

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404 (Elective)- (D): ECONOMICS OF INFRASTRUCTURE – II**404 (Elective)- (D): अधःसंरचना का अर्थशास्त्र- II**

UNIT- I	आर्थिक विकास प्रक्रिया में उर्जा की प्रमुखता, उर्जा की मांग के निर्धारक कारक, उर्जा की कमी के प्रभाव, उर्जा का संरक्षण, उर्जा के पुर्ननवीनीकरणीय तथा गैरपरम्परागत स्रोत, उर्जा प्रतिरूपण, भारतीय संदर्भ में अनुकूल उर्जा नीति की तलाश
	Primacy of Energy in the Process of Economic Development. Factors Determining Demand for Energy; Effects of Energy Shortages. Energy Conservation. Renewable and Non-conventional Sources of Energy. Energy Modelling. The Search for an Optimal Energy Policy in the Indian Context.
UNIT- II	विद्युत की विशाल आपूर्ति तथा मूल्य निर्धारण, तापीय, जल, एवं नाभिकीय विद्युत संयंत्रों की सापेक्षिक अर्थव्यवस्था, राष्ट्रीय विद्युत ग्रिड, जल उपयोगिताओं का वित्तपोषण, ग्रामीण एवं शहरी जल आपूर्ति, प्राकृतिक गैस का विदोहन, मूल्य निर्धारण की समस्या
	Bulk Supply and Pricing of Electricity. The Relative Economics of Thermal, Hydel and Nuclear Power Plants. The Case for a National Power Grid. Financing Water Utilities. Urban and Rural Water Supply. The Exploitation of Natural Gas. Pricing Problem.
UNIT- III	सामाजिक सेवाओं की आपूर्ति का वित्तपोषण तथा संगठन, निजि बनाम सार्वजनिक वित्तपोषण, सामाजिक सेवाओं के मूल्य निर्धारण की हालिया बहस, विभिन्न योजनाओं में सामाजिक सेवाओं का विकास
	Organization and Financing of Supply of Social Services. Private vs. Public Sector Financing; Recent debate about the fixation of prices of social services. Development of social services in the successive Indian Plans.
UNIT- IV	शिक्षा एवं आर्थिक विकास, शैक्षणिक नियोजन के दृष्टिकोण, सामाजिक मांग, प्रत्याय दर एवं श्रम शक्ति संतुलन दृष्टिकोण, भारत में सार्वभौमिक, निशुल्क प्राथमिक शिक्षा, उच्च शिक्षा की संरचना एवं वित्तपोषण की समस्याएं, मानवीय संसाधन एवं मानवीय पूंजी निर्माण, शैक्षणिक नीति के मुद्दे
	Education and Economic Growth. Approaches to Educational Planning. Social Demand. Rate of Return and Manpower Balance Approaches. The Case for Universal, Free, Primary Education; Structure of higher education and problems of its financing in India; Human Resources and Human Capital Development. The issues in education policy;

UNIT- V	<p>विकास के स्वास्थ्य आयाम, स्वास्थ्य के निर्धारक— निर्धनता, कुपोषण, निरक्षरता एवं सूचनाओं का अभाव, स्वास्थ्य रक्षण के आर्थिक आयाम, स्वास्थ्य रक्षण की मांग तथा आपूर्ति, स्वास्थ्य रक्षण का वित्तपोषण एवं संसाधन प्रतिबंध, वर्ग तथा लिंग परिप्रेक्ष्य, स्वास्थ्य रक्षण प्रदान के संस्थागत मुद्दे</p>
	<p>Health dimensions of development; Determinants of Health - poverty, malnutrition, illiteracy and lack of information; Economic dimensions of health care - Demand and supply of health care; Financing of health care and resource constraints; Inequalities in health - class and gender perspectives; Institutional issues in health care delivery.</p>
<p>SELECT READINGS :</p> <ul style="list-style-type: none"> • Crew, M.A. and P.R. Kleindorfer (1979), <u>Public Utility Economics</u>, Macmillan, London. • Indian Council of Social Sciences Research (ICSSR) (1976), <u>Economics of Infrastructure</u>, Vol. VI, New Delhi. • Kneafsey, J.T. (1975), <u>Transportation Economic Analysis</u>, Lexington, Torouts. • National Council of Applied Economic Research (NCAER) (1996), <u>India Infrastructure Report : Policy Implications for Growth and Welfare</u>, NCAER, New Delhi. • Nelson, J.R. (1964), <u>Marginal Cost Pricing in Practice</u>, Prentice Hall, Englewood- Cliff. • Norton, H.S. (1971), <u>Modern Transport Economics</u>, C.E. Merrill, London. • Phillips, A. and O.E. Williamson (Eds.) (1967), <u>Prices : Issues in Theory, Practice and Public Policy</u>, University of Pennsylvania Press, Philadelphia. • Fariss, M.T. and R. Sampson (1975), <u>Public Utilities</u>, Houghton Mifflin, Boston. • Jha, R., M.N. Murty and S. Paul (1990), <u>On Fixing Prices for Postal Services in India</u>, National Institute of Public Finance and Policy, New Delhi. • Aronofsky, J., A. Rao and M. Shakeen (Eds.) <u>Energy Policy</u>, North Holland, Amsterdam. • Centre for Monitoring Indian Economy (1996), <u>India : Energy Sector</u>, CMIE, Mumbai. • McCrakis, M.S. (Ed.) (1974), <u>Energy : Demand Conservation and Institution Problems</u>, Macmillan, London. • Pachauri, R.K. (Ed.) (1980), <u>Energy Policy for India</u>, Macmillan Co. of India, New Delhi. • Parikh, J. (Ed.) (1997), <u>Energy Models for 2000 and Beyond</u>, Tata McGraw-Hill, New Delhi. • Tata Energy Research Institute (1995), <u>Environmental Consideration and Options in Managing India's Long-term Energy Strategy</u>, Mumbai. • Turvey, R. and D. Anderson (1977), <u>Electricity Economics</u>, John Hopkins University Press, Baltimore. • Becker, G.S.(1974), <u>Human Capital</u> (2nd Edition), National Bureau of Economic Research, New York. • Beru, R.V. (1998), <u>Private Health Care in India : Social Characteristics and Trends</u>, Sage Publications, New Delhi. 	

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405 (Elective)- (A): WELFARE ECONOMICS – II	
405 (Elective)- (A): कल्याणवादी अर्थशास्त्र– II	
UNIT- I	असंख्य गैर तुलनीय अनुकूल विरुद्ध अद्वितीय सामाजिक अनुकूलतम, क्षतिपूरक मापदण्ड– बैरी, कालडोर एवं हिक्स का योगदान
	Infinite number of non-comparable optima vs. unique social optimum; Compensation criteria - Contributions of Barone, Kaldor and Hicks.
UNIT- II	स्किटोवस्की का दोहरा मापदण्ड, सामुदायिक उदासीनता वक्र की अवधारणा, सैम्युलसन का उपयोगिता संभावना वक्र
	The Scitovsky double criterion; Concept of community indifference map, Samuelson's utility possibility curve;
UNIT- III	मूल्य निर्णय एवं कल्याणवादी अर्थशास्त्र, बर्गसन का सामाजिक कल्याण फलन, ऐरो का संभावना प्रमेय
	Value judgments and welfare economics; Bergson's social welfare function, Arrow's possibility theorem.
UNIT- IV	सामाजिक एवं निजी लागतों के मध्य , गैर-बाजार परस्पर निर्भरता की समस्या, उत्पादन एवं उपभोग की बाह्यताएं, बाह्य मितव्ययताएं एवं अमितव्ययताएं
	Divergence between private and social costs; Problems of non-market interdependence; Externalities of production and consumption; External economies and diseconomies;
UNIT- V	सार्वजनिक वस्तुओं की समस्या, पीगू का कल्याणवादी अर्थशास्त्र, द्वितीय सर्वश्रेष्ठ अनुकूल, सीमांत लागत मूल्य निर्धारण, लागत-लाभ विश्लेषण, परस्पर निर्भर उपभोगिताएं, प्रावेगिक कल्याणवादी अर्थशास्त्र के विकास के प्रयास
	Problem of public goods; Pigovian welfare economics; Second-best optima; Marginal cost pricing; Cost-benefit analysis; Interdependent utilities; Attempts to develop dynamic welfare analysis.
SELECT READINGS :	
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405 (Elective)- (B): AGRICULTURAL ECONOMICS-II

405 (Elective)- (B): कृषि अर्थशास्त्र-II

UNIT- I	<p>ग्रामीण श्रम आपूर्ति, साधन बाजारों का अंतर्बन्धन, श्रम की गतिशीलता तथा श्रम बाजार में विभक्तिकरण, ग्रामीण श्रमिकों का सीमान्तीकरण, ग्रामीण बेरोजगारी की प्रकृति, सीमा तथा प्रवृत्तियाँ, भारत में कृषि मजदूरी, स्त्री-पुरुष मजदूरी विभिन्नताएं, गैर कृषि ग्रामीण रोजगार- प्रवृत्तियाँ तथा निर्धारक</p> <p>Rural labour supply; Interlocking of factor markets; Mobility of labour and segmentation in labour markets; marginalisation of rural labour; Nature, extent and trends in rural unemployment; Agricultural wages in India; Male-female wage differences; Non-agricultural rural employment - Trends and determinants.</p>
UNIT- II	<p>पूंजी की भूमिका तथा ग्रामीण साख, संगठित एवं असंगठित पूंजी बाजार, ग्रामीण बचतें एवं पूंजी निर्माण, ग्रामीण साख के लक्षण तथा स्रोत, सहकारिता, वाणिज्यिक बैंक, क्षेत्रीय ग्रामीण बैंक, नाबार्ड की भूमिका, सहकारिता आन्दोलन, सहकारिता क्षेत्र का प्रारुभाव एवं विकास, भारत में कृषि सहकारिता, सहकारी संस्थानों की समस्याएं एवं संभावनाएं,</p> <p>Role of capital and rural credit; organized and unorganized capital markets; Rural savings and capital formation; Characteristics and sources of rural credit; Cooperatives, commercial banks, regional rural banks; Role of NABARD; Cooperative movement; Genesis and growth of cooperative sector; Agricultural cooperation in India; Problem and prospects of cooperative institutions.</p>
UNIT- III	<p>विपणन तथा राज्य नीति, कृषि बाजार तथा विपणन दक्षता-विपणन कार्य व लागत, बाजार संरचना तथा अपूर्णताएं, नियमित बाजार, विपणनीकृत एवं विपणनीय अतिशेष, कृषि कीमतों का व्यवहार, कीमत तथा आय स्थिरता, कृषि विपणन के संदर्भ में राज्य की नीति, भंडारण (वेयर हाउसिंग), कीमतें, राज्य के हस्तक्षेप की आवश्यकता, कृषि मूल्य नीति के उद्देश्य-उपकरण व मूल्यांकन, भारत में खाद्य सुरक्षा तथा सार्वजनिक वितरण प्रणाली।</p> <p>Marketing and state policy; Agricultural markets and marketing efficiency - Marketing functions and costs; Market structure and imperfections; Regulated markets; Marketed and marketable surplus; Behaviour of agricultural prices - Cobweb model; Price and income stability; State policy with respect to agricultural marketing; Warehousing; Prices; Need for state intervention; Objectives of agricultural price policy - Instruments and evaluation; Food security in India and public distribution system.</p>

UNIT- IV	<p>भारत में कृषि विकास में हाल की प्रवृत्तियाँ, उत्पादन तथा उत्पादकता में अंतर्क्षेत्रीय प्रसरण, फसल स्वरूप विवर्तन, आगतों की आपूर्ति— सिंचाई, विद्युत, बीज तथा उर्वरक, आगतों की कीमत तथा सरकारी उपादानों (सवसिडी) की भूमिका, प्रौद्योगिकीय प्रगति के लाभों का वितरण, भारतीय कृषि में सार्वजनिक निवेश तथा पूंजी निर्माण की भूमिका, कृषि विकास तथा प्रौद्योगिकीय प्रगति की युक्ति,</p> <p>Recent trends in agricultural growth in India; Inter-regional variations in growth of output and productivity; Cropping pattern shifts; Supply of inputs - Irrigation, power, seed and fertilizers; Pricing of input and role of subsidies; Distribution of gains from technological change; Role of Public investment and capital formation in Indian agriculture; Strategy of agricultural development and technological progress;</p>
UNIT- V	<p>कृषि वस्तुओं का अंतर्राष्ट्रीय बाजार, वस्तु समझौते,—विश्व व्यापार संगठन की भूमिका, कृषि में घरेलू तथा अंतर्राष्ट्रीय व्यापार उदारीकरण के मुद्दे, कृषि व्यवसाय की प्रकृति व मुख्य लक्षण, बहुराष्ट्रीय कम्पनियों की भूमिका, भारतीय अर्थव्यवस्था का वैश्वीकरण तथा भारतीय कृषि की समस्याएं एवं संभावनाएं, भारतीय कृषि में विश्व व्यापार संगठन का प्रभाव।</p> <p>International trade in agricultural commodities; Commodity agreements - Role of World Trade Organization; Issues in liberalization of domestic and international trade in agriculture - Nature and features of agri-business; Role of MNCs; Globalization of Indian economy and problems and prospects of Indian agriculture; Impact of World Trade Organisation on Indian agriculture.</p>
<p>BASIC READING LIST</p> <ul style="list-style-type: none"> • Bhaduri, A. (1984), <u>The Economic Structure of Backward Agriculture</u>, Macmillan Delhi. • Bilgrami, S.A.R. (1996), <u>Agricultural Economics</u>, Himalaya Publishing House, Delhi. • Dantwala, M.L.et.al (1991), <u>Indian Agricultural Development Since Independence</u>, Oxord & IBH, New Delhi. • Gulati, A. and T. Kelly (1999), <u>Trade Liberalisation and Indian Agriculture</u>, Oxford University Press, New Delhi. • Joshi, P.C. (1975), <u>Land Reforms in India : Trends and Prospects</u>, Allied Publishers, Bombay. • Kahlon, A.S. and Tyagi D.S. (1983), <u>Agriculture Price Policy in India</u>, Allied Publishers, New Delhi. • Rao, C.H. Hanimantha (1975), <u>Agricultural Growth, Rural Poverty and Environmental Degradation in India</u>, Oxford University Press, New Delhi. • Rudra, A. (1982), <u>Indian Agricultural Economics : Myths and Reality</u>, Allied Publishers New Delhi. • Saini, G.R. (1979), <u>Farm Size Resource Use Efficiency and income Distribution</u>, Allied Publishers New Delhi. • Bardhan, P. (1984), <u>Land Labour and Rural Poverty</u>, Oxford University Press, New Delhi. • Chadha, G.K. and A.N. Sharma (1997), <u>Growth Employment and Poverty : Change and Continuity in Rural India</u>, Vikas Publishing, New Delhi. 	

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405 (Elective)- (C): ENVIRONMENTAL ECONOMICS-II

405 (Elective)- (C): पर्यावरणीय अर्थशास्त्र-II

UNIT- I	पर्यावरण संस्थाएं तथा जमीनि आन्दोलन, वैश्विक पर्यावरणीय बाह्यताएं तथा जलवायु परिवर्तन, व्यापारयोग्य प्रदूषण अनुमतियां तथा अंतरराष्ट्रीय कार्बन शुल्क, विश्व व्यापार संगठन में व्यापार व पर्यावरण।
	Environmental institutions and grass root movements; Global environmental externalities and climatic change - Tradable pollution permits and international carbon tax, Trade and environment in WTO regime.
UNIT- II	क्षणीय तथा पुनर्नवीनीकरणीय संसाधनों के अनुकूल उपयोग का सिद्धांत। पर्यावरण तथा विकास में विपरीत संबंध तथा संपोक्ष्य विकास की अवधारणा
	Theories of optimal use of exhaustible and renewable resources; Environmental and development trade off and the concept of sustainable development;
UNIT- III	एकीकृत पर्यावरणीय व आर्थिक लेखांकन तथा पर्यावरणीय संशोधित सकल घरेलू उत्पाद (GDP) का मापन, समष्टि अर्थशास्त्र नीतियां तथा पर्यावरण।
	Integrated environmental and economic accounting and the measurement of environmental corrected GDP; Macroeconomic policies and environment.
UNIT- IV	भारत में पर्यावरण नियमन का तंत्र, पर्यावरण कानून व उनका कार्यान्वयन, जल तथा वायु प्रदूषण नियंत्रण के उपकरण, वानिकी नीति
	Mechanism for environment regulation in India; Environmental laws and their implementation; Policy instruments for controlling water and air pollution and forestry policy;
UNIT- V	सार्वजनिक तथा वन भूमि में प्रबंधन में जन भागीदारी, संयुक्त वन प्रबन्धन संस्था तथा संयुक्त सुरक्षित क्षेत्र प्रबन्धन, सामाजिक वानिकी औचित्य व लाभ।
	People's participation in the management of common and forest lands; The institutions of joint forest management and the joint protected area management; Social forestry - rationale and benefits.

BASIC READING LIST

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405 (Elective)- (D): ECONOMICS OF INSURANCE- II

405 (Elective)- XX (D): बीमा का अर्थशास्त्र- II

UNIT- I	भारत में बीमा संस्थाओं द्वारा किये गये निवेश का नियमन, इस संदर्भ में बीमा विकास नियामक प्राधिकरण के नियम, धन संचयन नियोजन, जीवन चक्र नियोजन, निवेश- कर लाभ, व्यक्तिगत सेवानिवृति नियोजन, सेवानिवृति नियोजन युक्तियाँ, सेवानिवृति हेतु किये गये निवेश, पेंशन योजना के आधारभूत सिद्धांत
	Regulations governing investments of insurance institutions in India; IRDA rules in this regard. Wealth accumulating planning, Life cycle Planning. Investments - Tax advantage. Essentials of individual retirement planning, Retirement Planning strategies, Investing for retirement, Basic Principles of Pension Plans.
UNIT- II	जीवन तथा स्वास्थ्य बीमा के आधार, जीवन तथा स्वास्थ्य बीमा के कार्य, जीवन बीमा का गणितिय आधार, जीवन बीमा की योजनाएं, जीवन बीमा के विधिक पहलू, योजनाओं के प्रावधान, जोखिम का चयन तथा वर्गीकरण
	Fundamentals of life and health insurance; Functions of life and health insurance; Mathematical basis of life insurance; Plans of life insurance; Legal aspects of life insurance; Provisions of policies; Selection and classification of risks;
UNIT- III	प्रीमियम निर्माण के आधार, अतिशेष का मूल्यांकन तथा वितरण, व्यक्तिगत स्वास्थ्य बीमा, उपयोग, मूल्यांकन के प्रकार, जीवन तथा स्वास्थ्य बीमा के उत्तरदायित्व के सिद्धांत, समूह बीमा तथा अधिवार्षिकी (सेवानिवृति) योजनाएं, बीमा कम्पनियों का प्रबंधन एवं बनावट
	Basics of premium construction; Valuation and distribution of surplus; Individual health insurance; Uses, Types of evaluation; Principles of underwriting of life and health insurance; Group insurance and superannuation (pension) schemes; Set-up and management of insurance companies.
UNIT- IV	सामान्य बीमा की परिभाषा, सामान्य बीमा के प्रकार, सामान्य बीमा का महत्व, राष्ट्र के आर्थिक विकास में सामान्य बीमा का महत्व, अल्पकालिन जोखिम की अवधारणा, समान विधि, समता, प्रस्ताव/स्वीकृति, क्षतिपूर्ति, बीमित हित, अंशदान, प्रतिस्थापन, प्रतिनिधित्व की सामान्य अवधारणाएं, परम उत्तम निष्ठा, भौतिक तत्त्व, भौतिक खतरे, नैतिक खतरे, पॉलीसी पृष्ठांकन, शर्तें/अनुज्ञप्ति

	Definition of general insurance; Types of general insurance; Importance of general insurance; Importance of general insurance; in a country's economic development; Concept of short-term risk; Fundamentals of the following concepts - Common law, Equity, Proposal/Assent, Indemnity Insurable interest, Contribution subrogation, Representation; Utmost good faith, Material fact, Physical hazard, Moral hazard; Policy endorsements conditions/warranties;
UNIT- V	जोखिम का चुनाव, जोखिम का निरीक्षण, प्रीमियम की गणना एवं क्रमण, शुल्क तथा गैर शुल्क, सामान्य बीमा का विपणन, सामान्य बीमा तथा तकनीकी विकास, बीमा का नियमन, बाजार में सरकारी हस्तक्षेप का उद्देश्य, नियमन के सिद्धांत, बीमा विकास नियामक प्राधिकरण (IRDA).
	Selection of risks; Inspection of risks; Rating and calculation of premiums; Tariffs and non-tariffs; Marketing of general insurance; Technology development and general insurance. Regulation of insurance; Purpose of government intervention in markets; Theories of regulation; Insurance regulation in India; Insurance Regulation and Development Authority (IRDA).
SELECT READINGS :	
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