Atal Bihari Vajpayee Vishwavidyalaya, Bilaspur (C.G.)

Scheme and Syllabus

of

M.A. (Economics) Previous/Final

Program Code: MAECOP105

Annual System for Affiliated College

(As Per LOCF and Credit System)

w.e.f. 2024-25/2025-26

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Scheme of M.A. (Economics) Private
PROGRAM CODE: MAECOP105

Year	Course Code	Subject Name	Marks	
			Total	
			Max	Min
M.A. Previous (Economics) Compulsory papers				
I	ECOT101	Micro Economic Analysis	100	36
	ECOT102	Quantitative Methods	100	36
	ECOT103	Indian Economic Policy	100	36
	ECOT104	International Trade and Finance	100	36
	Optional Papers (Choose any one Group :)			
	ECOT105	Group: A-1 Industrial Economics	100	36
	ECOT106	Group: B-1 Labor Economic	100	36
	ECOT107	Group: C-1 Demography	100	36
	ECOT108	Group: D-1 Agriculture Economics	100	36
	ECOT109	Group: E-1 Computer Application in Economic Analysis	100	36
		Subtotal	**500**	–
M.A. Final (Economics) Compulsory papers				
II	ECOT201	Macro-Economic Analysis	100	36
	ECOT202	Public Finance	100	36
	ECOT203	Economics of Growth	100	36
	ECOT204	Environmental and Welfare Economics	100	36
	Optional Papers (Choose any paper of any other group :)			
	ECOT205	Group: A-1 Industrial Economics	100	36
	ECOT206	Group: B-1 Labor Economic	100	36
	ECOT207	Group: C-1 Demography	100	36
	ECOT208	Group: D-1 Agriculture Economics	100	36
	ECOT209	Group: E-1 Computer Application in Economic Analysis	100	36
		Subtotal	**500**	–
		Total	**1000**	–

Note: At Post-graduate level, candidate required to study eight compulsory papers and two optional papers during two year period. There shall be four papers compulsory and one optional paper in M.A. previous and four compulsory and one optional paper (other than studied in M.A. Previous) in M.A. final examinations. Each paper shall carry 100 marks.

Apart from the group of optional paper in M A. Previous, any other group will have to be selected in M. A . Final.

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M.A. ECONOMICS
Program Outcome

The Master of Arts in Economics Program aims to provide Students with a Comprehensive understanding of economic theory, Principles and Practical applications, upon completion of the program, students are expected to:

PO1: Possess a deep understanding of microeconomics, macroeconomics, econometrics and quantitative research methods.

PO2: Be able to analyze complex economic issues and develop solutions using economic theory and empirical analysis.

PO3: Demonstrate critical thinking, problem solving and analytical in evaluating economic policies and issues.

PO4: Be able to apply economic theory and empirical analysis to real-world problems in fields such as finance, international trade, developmental economic public policy and environmental economics.

PO5: Possess effective communication and writing skills to convey complex economic concepts and ideas to a variety of audiences.

PO6: Be prepared for further studies in economics or related fields or for careers in government, non-profit organizations and the private sector.

PO7: Students should understand the importance of professionalism and ethical behavior in the field or economics and be able to apply these principles in their work Overall the program outcomes of M.A. economics programs are designed to equip students with the skills and knowledge necessary to succeed in the variety of roles related to economics, the program equips students with a strong foundation in economics and prepares them to make meaningful contribution in various fields that require economic expertise.

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Program Specific Outcomes

PSO1: Develop in the students' ability to explain core economic terms, concepts and theories explain the function of market and prices as AL locative mechanism, apply concepts of equilibrium, identify and explain major types of market failures.

PSO2: Enable the students to understand the scope of the subject.

PSO3: Enable the students to collect data and make them able to face the problem while collecting data.

PSO4: To prepare them to apply economic theories and concepts to contemporary social issues as well as formulation and analysis of policy (describe how economic trade-offs and social values impact public/private social policy and the success or failure of policies to achieve intended outcomes)

PSO5: To inculcate in students, a deeper understanding of economic theory and have the opportunity to apply economic principles to a number of areas including finance, urban, labour economics agricultural economics, public finance and international trade.

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Part A: Introduction			
Program: **M.A. Previous**		Year: 1	w.e.f.: 2023-2024
1.	Course Code	**ECOT101**	
2.	Course Title	**MICRO ECONOMIC ANALYSIS**	
3.	Course Type	**Theory**	
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Analytical approach to consumer behavior. • The concept of production function. • Consumer behaviors in real life. • The students will learn economic model and diagrams to analyze the microeconomics. • The course will encourage students to think critically and apply logical reading to economic problems.	
5.	**Total Marks:100**		**Min Passing Marks:36**

Part B: Content of the Course	
Unit	Topics
I.	**Introduction Demand and supply analysis-** Basic Economic Problem deductive and Inductive methods of analysis, Elasticity of demand (price, cross, income), Elasticity of supply, Theories of demand- utility, Indifference curve (Income and substitution effects Slutsky theorem, compensated demand curve) and their application, Revealed preference theory, Revision of demand theory of Hicks, Consumer's surplus.
II.	**Theory of production, cost and revenue-** Production function- Short period, and long period, law of variable proportion and returns to scale Isoquants- Least cost combination of inputs, Economies of scale, Elasticity of substitution, Euler's theorem, Technical Progress, and Production function Cobb- Douglas, cost and revenue analysis.
III.	**Price and Output determination-** Price & output determination- Perfect Competition - short run and long run, Equilibrium of the firm and industry, monopoly- Price and output equilibrium under monopoly, price discrimination, monopoly control and regulation, monopolistic competition- General and Chamberlin approaches to equilibrium and selling costs.
IV.	**Oligopoly-** Non-collusive (Curnot, Bertrand, Kinked demand curve) and collusive (Cartels mergers & Price leadership) Baumols sales revenue maximization model, Baines limit pricing theory
V.	**Distribution-** Marginal Productivity theory of distribution, the adding up problem, Rent- Recardian and modern theory, Theory of Interest and IS-LM Curve model Theory of wages- wage determination under perfect and imperfect conditions, Theories of profit, risk, uncertainty and innovation theory. Welfare Economics and General Equilibrium-Pigouvian welfare economics, pareto optional condition, Social welfare function, compensation principal, theory of second best-Arrow's impossibility theorem, partial and general equilibrium, Walrasian excess

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	demand and input output approaches to general equilibrium.

Part C - **Learning Resource**

Text Books:

- Jhingan M. L. (2014), Advanced Economic Theory, Vrinda Publication, New Delhi.
- Jhingan M. L. (2014), Micro Economics, Vrinda Publication, New Delhi.
- Agarwal, A (2014), Micro Economic analysis, Sahitya Bhawan Publication, New Delhi.

Reference Books:

- Kraps, David M. (1990) A course in micro economics theory Princeton University press, Princeton.
- Kout Soyiannis; A (1979) Modem Microeconomics (2nd Edition), Macmillan press, London.
- Layard, PRG and P.W. Watters (1978), Micro economic theory, McGraw Hill, New York.
- San A (1999) Micro economics theory and Applications, Oxford University Press, New Delhi;
- Stigler, G. (1996) Theory of Price (4th edition), Princeton Hall of India, New Delhi.
- Varian, H (2000) Micro economic Analysis, W.W. Norten, New York.
- Baumol W.J., (1982) Economic theory and operations analysis, Princeton Hall of India, New Delhi.
- Handersan, J.M. and R.E. Quandy (1980) Micro economic theory - A Mathematical approach, Mc Graw Hill, New Delhi.
- Hirshleifer, J. And A Glazer (1997), Price theory and Application, Prentice Hall of India, New Delhi.

E-Resources:

- https://www.investopedia.comsteams.
- https://m.youtube.com>watch
- https:// this matter.com>economics
- https://www.researchgate.net >2273
- https://www.khanacademy.Org>ex

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6.	Mrs. Shraddha Das, Asst. Professor Govt. Bilasa Girls' PG College Bilaspur	-	Member	(S. Das)
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Part A: Introduction			
Program: **M.A. Previous**		Year: 1	w.e.f.: 2023-2024
1.	Course Code	**ECOT102**	
2.	Course Title	**QUANTITATIVE METHODS**	
3.	Course Type	**Theory**	
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Measurement of Skewness and correlation. • Measurement of regression analysis and interpolation and extrapolation. • Measurement of Probability. • Measurement of Index Number. • Students will learn how to collect, organize and analyse data using various quantitative techniques.	
5.	**Total Marks:100**		**Min Passing Marks:36**

Part B: Content of the Course	
Unit	Topics
I.	**Concept and types of production functions cob Douglas production function; programming-** Basic concept, formulation of a linear programming problem its structure and variables; nature of feasible, basic and optimal solution; concept of game; strategies- simple and mixed; value of game; saddle point solution; simple applications, limitations and game theory.
II.	**Skewness-** Symmetrical and asymmetrical distribution; measurement of skewness- Karl Pearson's coefficient of skewness Bowley's coefficient of skewness; meaning assumptions and limitation of simple correlation; measurement of correlation. Karl Pearson's coefficient of correlation and spearman's rank corelation, probable error and standard error in correlation; Regression analysis- regression lines regression equation, regression co-efficient, partial correlation and multiple correlation; multiple regression analysis (up to two variables) standard error of the estimates.
III.	**Interpolation and extrapolation-** Methods of fitting a parabolic curve direct Bio Mail expansion method, Newton's advancing difference method and Lagrange methods, association of attributes, meaning and types of association, consistency of data association, Theory of probability- various types of events, addition and multiplication theorems conditional probability and concept of inter dependence.
IV.	**Index Number-** Type of index number, Fisher's Ideal Index number, Reversibility text cost of living index, Time series data Analysis- Components of time series. Short period and long period trend line; moving average least Square method.
V.	**Census and sample methods of statistical inquiry-** Deliberate and random, sample, random, stratified random and P.P.S.nsampling, Concept of an estimator its sampling distribution; desirable properties of an estimator, formulation of statistical hypothesis null and alternative; goodness of fit. Confidence intervals and level of significance,

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	hypothesis testing based on z, t, x2 (chi-square) and F tests, Type and Type-2 error.

Part C - **Learning Resource**

Reference Books:

- Shukla, S.M. and S.P. Sahay - Quantitative method's Sahitya Bhawan Publications, Agra.
- Agrawal, D.R., 'Quantitative methods. Vrinda Publications (P) Ltd.
- Sancheti, D.C., 'Quantitative methods' Sultan Chand and Sons, New Delhi.
- Gupta, S.P. and others, "Quantitative Techniques." Sultan Chand and Sons, New Delhi.
- Gujarati, Damodar N, "Basic Econometrics", McGraw Hill Education Pvt. Ltd., Chennai.
- A.L. Bowley, Elements of Stastics.

E-Resources:

- https://www.google.com/amp/s/library.gmit.ie/sage-research-methods/amp/
- https://www.routledge.com/Quantitative-Methods-for-Second-Language-Research-A-Problem-Solving-Approach/Roever-Phakiti/p/book/9780415814027

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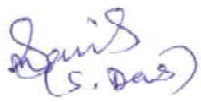

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Part A: Introduction			
Program: **M.A. Previous**		Year: I	w.e.f.: **2023-2024**
1.	Course Code	**ECOT103**	
2.	Course Title	**INDIAN ECONOMIC POLICY**	
3.	Course Type	**Theory**	
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • GDP and National Income of India - Components and structure of GDP and National Income. • Objectives and strategies of Planning in India. • Demographic features of Indian population. • Agriculture development in India. • Issues of food security policies.	
5.	**Total Marks:100**		**Min Passing Marks:36**

Part B: Content of the Course	
Unit	Topics
I.	**Economic development and its determinants-** Approaches to economic development and its measurement sustainable development; Role of State market and other institutions, Indicators of development- PQLI, Human Development Index (HDI) gender Development indices.
II.	**Planning in India-** Objectives and strategy of Planning: Failures and achievements of Plans; Developing grass-root organization for development Panchayats, NGOs and pressure groups.
III.	**Demographic features, poverty and inequality**- Broad demographic features of Indian population; Rural- urban migration; Urbanization and civic annuities; poverty and Inequality.
IV.	**The agricultural sector-** Institution Structure- Land reforms in India; Technological change in agriculture- pricing of agriculture Input and output, Terms of trade between agriculture and Industry, Agriculture finance policy, agriculture marketing and Warehousing, issues in food security policies for sustainable agriculture
V.	**The industrial sector-** Industrial policy; public sector enterprises and their performance, Problem of sick units in India; Privatization and disinvestment debate growth and pattern of industrialization **Public finances & banking-** Fiscal federalism: Centre- state financial relation: Finances of central government, Finances of state government; fiscal sector reforms in India, Review of monetary policy of RBI. **External sector & economic reforms-** Issues in export- import policy and FEMA. Exchange rate policy foreign capital and MNCs in India, the progress of trade reforms in India

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Part C - **Learning Resource**

Text Books:

- Basu kaushik (2011) The New Oxford Companion to Economic in India, Oxford University Press, India.
- Basu Kaushik & Maertens Annemie, The Concise Oxford Companion to Economics in India, Oxford University Press, India.
- Asian Development Bank, Energy infrastructure: Priorities. Constraints a Strategies for India, Oxford University Press, India.
- Datt, Gaurav and Ashwani Mahajan, Indian Economy, 65th Revised Edition and S. Chand and Company New Delhi.

Reference Books:

- Ahulwalia, I. J. and I. M. E. Litle (Eds.) (1999): India's Economic Reforms and Development (Essay honor of Manohar Singh), Oxford University Press, New Delhi,
- Bardhan, P. K. (9th Edition) (1998): The Political Economy of Development India, Oxford University Press, New Delhi.
- Bawa, R.S. and Raikhy (Ed.) (1997): Structural Change in Indian Economy, Guru Nanak Dev University Press. Amritsar PB).
- Brahmananda, P. R. and V. R. Panchmukhi (9th Eds.) (2001): Development Experience in the Indian Economy: Interstate Perspectives, Bookwell, Delhi.
- Chakravarty, S. (1987): Development Planning: The Indian Experience, Oxford University Press, New Delhi.
- Dantwala, M. L. (1996): Dilemmas of Growth: The Indian Experience, Sage Publication, New Delhi.

E-Resources:

- https://icssr.org/e-resources-available-nassdoc
- https://www.indiastat.com/
- https://www.studocu.com/in/document/university-of-delhi/ba-economics-hons/e-resources-module-i-in-indian-economy-i-by-dr-rituranjan-0/27634344

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Part A: Introduction			
Program: **M.A. Previous**		Year: **1**	w.e.f.: **2023-2024**
1.	Course Code	**ECOT104**	
2.	Course Title	**INTERNATIONAL TRADE AND FINANCE**	
3.	Course Type	**Theory**	
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Nature, scope and importance of International Economics. • Theories of international trade. • Theory of intervention. • Balance of payment and foreign trade. • Students will examine regional disparities and economic imbalances within India.	
5.	**Total Marks:100**		**Min Passing Marks:36**

Part B: Content of the Course	
Unit	**Topics**
I.	**Theory of International trade-** Meaning and distinguishing features of inter-regional and international trade. Difference and similarities between inter regional and international trade. Smith's theory of absolute advantage, Ricardo's theory of comparative cost and Haberle's opportunity cost theory, Mill's theory of reciprocal demand, offer curve analysis. Heckscher- Ohlin theory of international trade, factor price equalization, Stopler Samuelson and Rybozynski theorms
II.	**Measurement of gains and theory of interventions-** Measurement of gains from trade and concept of trade, their limitations, Determination of terms of trade and policy implications for less developed countries; Trade as an engine of economic growth. The theory of interventions (Tariff, Quotas and non-tariff barriers) Economic effects of Tariff Quotas on national income, output, consumption, price, employment, Terms of trade and income distribution. Dumping- type, objective and effects of dumping, current incidence of dumping in India and its impact on our economy, Anti-dumping measures.
III.	**Balance of payment-** Meaning and components of balance of payment (BOP), Equilibrium and disequilibrium in the B.O.P. Measures to correct the abverse BOP. Marshall- Lerner's conditions under devaluation, expenditure switching policies and direct control, Theories of Exchange Rate- Equilibrium Exchange Rate free Market theory of Exchange Rate, Concept of foreign Exchange Rate, The Purchasing Power parity theory. Balance of payments theory, Spot and forward Exchange Rates, Fixed and Flexible Exchange Rates, their Merits & demerits

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IV.	**International monetary system and forms of economic co-operation-** Emerging international Monetary System, Reform of international Monetary System in India and developing countries, Functions, achievements and failure of WTO (TRIPS, TRIMS) UNCTAD, IMF, World Bank and Asian Development Bank, World Bank and India, European Economic Community, Rational and economic progress of SAARC and ASEAN regions.
V.	**Capital movement and trade policies in India-** Theory of short term and long term capital movement and international Trade- 1port folio investment and international Trade-2, FDI & F.I.I. international Trade, Merits and Demerits of long term capital movement, Global Financial crisis and Global Recovery. Trade problems and trade policies in India after Reforms, Recent change in the direction and composition of trade and their implications, Impact of trade reforms since 1991, instruments of export promotion, Recent import & export policies in India, problems of India's international debt.

Part C - **Learning Resource**

Text Books:

- Acharyya, Rajat (2013) International Economics, An Introduction to Theory and Policy, Oxford University Press India.
- Goyal Ashima (2014) International Economics, The Oxford Handbook of The Indian Economy.
- In The 21st Century: Understanding the Inherent Dynamism, Oxford University Press India.
- Raychaudhuri, Ajitava & Prabir De, International Trade in Service in India: Implications for Growth and Inequality in A Globalizing World, Oxford University Press, India.
- Nayar, Deepak (2012) Trade and Globalization: Deepak Nayar, Oxford University Press, India.
- Appleyard, R. Dennis, (2013) International Economics, Tata Mc Graw Hill Publishing Company Limited New Delhi.
- Vaish, M. C. And Sudama Singh, (2011) International Economics, Oxford Andibh Publishing Co.Pvt. Ltd., New Delhi.

Reference Books:

- Bhagwati, J.(Ed). (1981): International Trade Selected Readings, Cambridge, University Press, Massachusetts.
- Carbough, R. J. (1999), International Economics, International Thompson Publishing, New York.

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- Chacholiades, M. (1990), International Trade: Theory and Policy, Mcgraw Hill, Kogakusha, Japan.

E-Resources:

- http://cc.iift.ac.in/library/index.asp
- https://suffolk.libguides.com/intlbusiness
- https://www.wto.org/english/res_e/res_e.htm

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Part A: Introduction				
Program: **M.A. Previous**		Group: A - 1	Year: 1	w.e.f.: 2023-2024
1.	Course Code	**ECOT105**		
2.	Course Title	**INDUSTRIAL ECONOMICS**		
3.	Course Type	**Theory**		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Concept and Organization of firm ownership • Market Structure. • Industrial Policy in India. • Privatization and liberalization • Environmental Preservation and importance, Pollution control policies.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	Topics
I.	**Framework and problems of industrial economics-** Concept and organization of a firm ownership, control and objectives of the firm, passive and active behavior of the firm
II.	**Market structure-** Seller's concentration; Product differentiation; Entry conditions. Economics of scale; Market structure and profitability, Market structure and innovation; Theories of industrial location: Weber and Sergeant Florence Factors affecting location.
III.	**Market performance-** 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.
IV.	**Indian industrial growth and pattern-** Classification of industrial; Industrial policy in India-Role of Public and private sectors, Recent trends in Indian industrial growth, MNCs and transfer of technology, Liberalization and privatization; Regional Industrial growth in India; Industrial economic concentration and re-medial measures; issues in Industrial proliferation and environmental preservation; Pollution control policies.
V.	**Industrial finance-** 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. **Project appraisal-** Cost-Benefits analysis- Net Present Value (NPV) and internal rate of return (IRR) criteria-balancing private and social returns. **Industrial labour-** Structure of industrial labour, Employment dimensions of Indian industry; Industrial legislation; Industrial relations; Exit policy and social security: Wages and problem of bonus-lobour market reforms **Current problems of selected industries-** Iron and Steel; Cotton textiles; jute; Sugar; Coal; Cement and engineering goods; Development of small-scale and cottage

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	industries in India

Part C - **Learning Resource**

Text Books:

- Ahluwalia, I.J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
- Barthwal, R.R. (1985): Industrial Economics, Wiley Eastern Ltd., New Delhi.
- Chernilam, F (1994): Industrial Economics: Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
- Desai, B. (1999), Industrial Economic in India (3rd Edition), Himalaya Publishing house, Mumbai.

Reference Books:

- Divine, P.J. and R.M. Jones et. At. (1976): An Introduction to industrial economics, George Allen and Unwin Ltd., London.
- Government of India, Economic Survey (Annual)
- Hay, D. and D.J. Morries (1979), Industrial Economics: Theory and Evidence, Oxford University Press, New Delhi.
- Kuchhal, S.C. (1980): Industrial Economy of India, Chaitanya Publishing House, Allahabad.
- Reserve Bank of India Report on Currency and Finance (Annual).
- Singh, A. and A. Sadhu (1988): Industrial Economics, Himalaya Publishing House.

E-Resources:

- http://www.isec.ac.in/onlineresources.htm
- https://pkklib.iitk.ac.in/index.php/resources/journals/e-journals/33381:journal-of-industrial-economics

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Part A: Introduction				
Program: **M.A. Previous**		Group: B – 1	Year: 1	w.e.f.: 2023-2024
1.	Course Code	**ECOT106**		
2.	Course Title	**LABOUR ECONOMICS**		
3.	Course Type	**Theory**		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Labour Market and labour policies. • Theories of wage determination. • Methods of recruitment. • Labour market institution, such as collective-bargaining, social security etc. • Labour force participation rates and unemployment rates.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	Topics
I.	**Labour Market-** Nature and characteristics of labour market Analysis classical, new classical, analysis of demand and supply forces, demand for lobour relating to choice of technology. Supply of labour in relation to growth of labour force, Rationalization methods of recruitment and placement, Employments revise organization in India
II.	**Employment-** Employment and development relationship poverty and unemployment concept, types and measurement: particularly in India, Causes of unemployment issues relating to employment renationalization, technological change and modernization on employment in organized, private industry, public sector and employment in agriculture sector
III.	**Wage determination-** Various classical, neo classical and bargaining theories of wage determination, Various concepts of minimum wages and fair living, Problem of implementation of minimum wages. Wage determination by Qctor- urban & rur Organized and unorganized, Wages and inflation, Productivity and wage relationship. Profit sharing scheme, Causes of wage differentials in terms of firm, industry, occupation and region
IV.	**Industrial Relation-** Industrial Relation and trade Unions Industrialization and emergence of trade unionism, Growth, structure and pattern of trade unionism. Achievements and failures of trade union movement. Causes of industrial disputes, Step to achieve Industrial peace, Method of settlement of industrial disputes Collective bargaining. Conciliation arbitration role of judicial activism, labour legislation in India, Indian labour law and practices in relation to international labour slandered
V.	**State and labour In India-** State and social security of labour, concept of social security and its evolution social assistance, Review and appraisal of state policies with

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	respect to social security and labour welfare in India, Special problem of labour, child labour, female labour, discrimination and gender bias in treatment of labour. Labour market reform- exit policy need for safety nets. Measures impairing, Flexibility in labour markets, Social Insurance, Second National commission of labour, globalization and labour markets.

Part C - Learning Resource

Text Books:

- Goyal, Sunil & Goyal, M.L. (2008): Labour Economics, R.B.S.A. Publications, Jaipur.
- Saxena. R.C. (2010): Labour Problems & Social Welfare. K. Nath and Company Publication, Meerut.
- Singh, Dilip Kumar, (2008): Workers Participation in in Management and Industrial Relation, Rawat Publication, Jaipur & Delhi.
- Singh, Usha & Singh, H.P. (2011): Child Labour in India: Problem and Solutions. Classical Publication, New Delhi.

Reference Books:

- Hajela P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
- Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000). The Unorganized Sector: Work Security and Social Protection. Sage Publication, New Delhi.
- Lester. R.A. (1964). Economics of Labour. (2nd Edition), Macmilan. New York.
- Mc Connell, C.R. and S.L. Brue (1986). Contemporary Labour Economics, Mc Graw-Hill New York.
- Papola, T.S.P.P. Ghosh and A.N. Sharma (Eds.) 1993, Labour, Employment and industrial Relations in India, B.R. Publishing Corporation New Delhi.
- Rosenberh M.R. (1998), Labour Markets in Low Income Countries in Countries. H.B. and T.N. Srinivasan. (Eds.) The Handbook of Development Economics North-Holland, New York.

E-Resources:

- https://www.sciencedirect.com/journal/labour-economics
- https://www.springer.com/journal/41027
- https://www.ilo.org/global/publications/ilo-bookstore/order-

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online/books/WCMS_190112/lang--en/index.htm

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Part A: Introduction				
Program: M.A. Previous		Group: C – I	Year: 1	w.e.f.: 2023-2024
1.	Course Code	ECOT107		
2.	Course Title	DEMOGRAPHY		
3.	Course Type	Theory		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Meaning and importance of demographic features in economy. • Theories of Population. • Meaning and measurement of fertility. • Theory of demographic transition. • Meaning of mortality and factor responsible for birth rate, Death rate and Infant mortality rate.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	Topics
I.	**Demography-** Meaning, Scope and importance of demography sources of demographic data. Tools of demography analysis, measurement of population growth and population pyramid;
II.	**Theories of population-** Malthus theory, Socio-culture and economic theories of populations, Biological theories of population, Theory of optimum population, Theory of demographic transition
III.	**Fertility-** Meaning and definition of fertility, Measurement of fertility-child woman ratio, crude birth rate, corrected birth rate, General fertility rate, Age specific fertility rate, Total fertility rate, Gross reproduction rate, and Net reproduction rate, calculation of fertility rates, determination of fertility, Trends fertility in India.
IV.	**Mortality and morbidity-** Importance of mortality data, causes of death, meanings of morbidity, Differentials in mortality and morbidity, measurement of mortality crude death rate, Age-specific death rate, Infant mortality rate, Standardized death rate and maternal mortality rate, calculation of mortality rates, Trends in mortality in India, life table. Migration and urbanization, Population projection, growth of population in India, Population and economic development, Population explosion in India, Demographic characteristics of developing countries. Population policy of India
V.	**Women Empowerment-** Economics status, Women in decision making, Women and labour market, 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; The new population policy; Tasks before the National Population Commission.

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Part C - Learning Resource

Text Books:

- Agrawal, S.N. 'India's population Problems, Tata Mc-Graw Hill co. Bombay.
- Bogue, D. J., 'Principles of Demography', Honwiley, New York.
- Sinha, V. C. and Pushpa Sinha, Principles of Demography', Mayur Paper backs.
- Mishra, Jai Prakash, Demography', Sahitya Bhawan Publications, Agra.
- Pathak, K. B. and F. Ram, 'Techniques of Demographic Analysis', Himalaya Publishing House.
- Jhingan, M. L. and others, 'Demography', Vrinda Publications (P) Ltd. Srinivasan, K., 'Basic Demographic Techniques and Applications', Sage Publication.

Reference Books:

- Census India SRS Bulletins, Registrar General of India, Govt. of India, 2011
- Rural-Urban distribution Census of India: Census Data 2001: India at a glance >> Rural-Urban Distribution. Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
- Number of Villages Census of India: Number of Villages Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
- Urban Agglomerations and Towns Census of India: Urban Agglomerations and Towns. Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
- Preston, S.H. (1976). Family Sizes of Children and Family Sizes of Women. Demography
- Pritchett, L.H. (1994). Desired Fertility and the Impact of Population Policies. Population and Development Review 20(1): 1-55.

E-Resources:

- https://www.sciencedirect.com/science/article/abs/pii/S0099133314001876
- https://ered.library.upenn.edu/cgi-bin/res/sr.cgi?community=58
- https://www.drishtiias.com/daily-updates/daily-news-editorials/india-s-demography

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Part A: Introduction				
Program: M.A. Previous		Group: D-1	Year: 1	w.e.f.: 2023-2024
1.	Course Code	ECOT108		
2.	Course Title	AGRICULTURE ECONOMICS		
3.	Course Type	Theory		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Agriculture of Chhattisgarh. • Role of agriculture in economic development. • Principles of land utilization, land use. • Problem of marginal and small farmers • Understand the technology used to maximise the crop yield while maintain a good soil ecosystem.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	Topics
I.	**Nature and scope of Agriculture economics-** Traditional and Modem agriculture, role of agriculture in economic Development, Problem in rural industrialization, development of Agro-based industries, between agriculture and industry. Green revelation, Agricultural Production, Production function analysis, cost concept in agriculture product, form budgeting, Resource use and efficiency in Agricultural sector.
II.	Land use, Principles of land utilization, land distribution, Land values and rent, Land reform measures and performance, Land tenures and farming systems, problem of marginal and small farmers. Rural Labour supply, Mobility of labour and labour market in agriculture sector, Nature of employment in rural sector Agriculture wages in India. Male-Female wage difference in agriculture.
III.	**Rural Finance-** role of rural capital and rural credit, Rural capital and capital formation, Characteristics and source of rural credit. Institutional and non-institutional rural credit, Rural Bank. Regional Rural Banks and Rural credit Cooperative Societies. Agriculture price- Agriculture market, Behavior of agriculture price, agriculture, Markets and agriculture marketable surplus, Taxation, crop insurance, state policy and Agriculture price policy.
IV.	**Agricultural Growth in India-** Agricultural growth in India-recent trends, inter regional variation in growth of agriculture product, cropping pattern, factors affecting productivity, pricing of input, role of subsidies, role of technology and input of irrigation in Agricultural sector, Problem and prospects of Globalization and W.T.O. in India Agricultural commodities.

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V.	**Infrastructure-** Infrastructure and economic development, the structure of Transportation costs, Demand for transportation, Cost function in the transport Sector, Telephone utilities, role of postal services, Demand for Energy, Energy conservation, Renewable and Non-conventional Sources of Energy.

Part C - **Learning Resource**

Text Books:

- Bhahacharjee, J.P.-Studies. in Indian Agricultural Economics.
- Rao, V.K.R.V.- New Challenge before Indian Agriculture.
- Mellor, J.W.-The Economics of Agricultural Development.
- Bhadure, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.
- Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi.
- Dantewada, M.L. Et. a, (1991), Indian Agricultural Development Since independence, Oxford Referen & BH, New Delhi.

Reference Books:

- Government of India (L976), Report of the National Commission of Agriculture, New Delhi. Government of India, Economic Survey (Annual), New Delhi.
- Gulati, A. and T. Kelly (L999), Trade Liberalization 'and Indian Agriculture, Oxford University Press, New Delhi.
- Joshi, P.C. (1975), Land Reforms in India: Trends and. Prospects. Alled Publishers, Bombay.
- Kahlon, A. S. and Tyagi D.S. (1983), Agriculture Price. Policy in India, Allied Publishers, New Delhi.
- Rao, C.H.I. Hanumanth (1975), Agricultural Growth, Rural Poverty, and Environmental Degradation in India, Oxford University Press, New Delhi.
- Reserve Bank of India, Report on Currency and Finance (Aual), Mumbai.
- IRudra, A. (1982), Indian Agricultural Economics, Myths and Relaity, Alled Publishers, New, Delhi.

E-Resources:

- https://icar.org.in/content/consortium-e-resources-agriculture-cera

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- https://www.wileyindia.com/Wiley_Online_Resources/CeRA/CeRA.html

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Part A: Introduction				
Program: M.A. Previous		Group: E-1	Year: 1	w.e.f.: 2023-2024
1.	Course Code	ECOT109		
2.	Course Title	COMPUTER APPLICATION IN ECONOMIC ANALYSIS		
3.	Course Type	Theory		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Computer software and tools commonly used in economic analysis. • Computer programming languages to conduct economic analysis. • Elementary knowledge about computer and data processing. • Techniques and methods tables, graphs and frequency series. • The data storage and data operations.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	Topics
I.	**Introduction to computer and peripherals-** Basic components of computer- CPU, input- device, Keyboard, Mouse and Scanner, Video Display, Printer and Plotters, Data storage and retrieval, hard disk, floppy disk and CD ROM. Types of computers and their applications, computers networking and resources sharing hardware, Software and firmware, examples and techniques in programming languages elementary Knowledge only.
II.	**Data processing, techniques and Algorithms concepts of Data, record and file-** Types of data and data structure, data analysis, file handling and operations like opening, appending and cascading, closing and attribute control, data storage and retrieval, data operations algorithms like sorting, merging, joining and bifurcation database concepts and operation on database, DBMS and RDBMS.
III.	Statistical Processing Techniques and Methods Series; tables; Graphs and Object time and frequency series; regression methods and technique regression analysis data validation, trends and cycle city forecasting system modeling and description: system equation; specification; error and correction strategies; Statistical modeling and descriptive statistic, distribution functions, regression statistics.
IV.	I.T.s application commerce, Online Banking ATN's Electronic Stock, Exchange Electronic Trading data sharing and decimation; electronic transition; documents delivery; authentication and validation transaction; processing
V.	I.T. Application to Commerce Electronic Trading and Marketing; On line shopping and malls, B2B, B2C, and G2B, models and their applications: Document and transaction security and digital signature, integrated transition on mobile platforms.

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Part C – Learning Resource

Text Books:

- Rajasekaran, S. (1986): Numerical Methods in Sciency and Engineering, A.H. Wheeler, Allahabad.
- Sanders, D.H. (1988): Computers Today, McGraw hill (3rd Edition), New York.
- Sinha. P.K. (1992): Computers Fundamentals, BPB Publications, New Delhi, Reference.

Reference Books:

- Rajaraman, V. (1996): fundamental of Computers, prentice Hall of India, New Delhi.
- Lipschultz, M.M. and S. Lipschults (1982): Theory and Problems of Data Processing Schum, Outline Series, McGraw hill, New York.

E-Resources:

- https://economics.iisuniv.ac.in/courses/subjects/computer-application-economic-analysis-1
- https://www.anuonline.ac.in/courses/ba-economics-banking-computer-applications.html

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Scheme of M.A. (Economics) Private
PROGRAM CODE: MAECOP105

Year	Course Code	Subject Name	Marks	
			Total	
			Max	Min
M.A. Final (Economics)				
		Compulsory papers		
II	ECOT201	Macro-Economic Analysis	100	36
	ECOT202	Public Finance	100	36
	ECOT203	Economics of Growth	100	36
	ECOT204	Economics of Social Secter and Environment	100	36
		Optional Papers (Choose any paper of any other group :)		
	ECOT205	Group: A-1 Industrial Economics	100	36
	ECOT206	Group: B-1 Labor Economic	100	36
	ECOT207	Group: C-1 Demography	100	36
	ECOT208	Group: D-1 Agriculture Economics	100	36
	ECOT209	Group: E-1 Computer Application in Economic Analysis	100	36
		Subtotal	**500**	–
		Total	**1000**	–

Note: At Post-graduate level, candidate required to study eight compulsory papers and two optional papers during two year period. There shall be four papers compulsory and one optional paper in M.A. previous and four compulsory and one optional paper (other than studied in M.A. Previous) in M.A. final examinations. Each paper shall carry 100 marks.

Apart from the group of optional paper in M A. Previous, any other group will have to be selected in M. A . Final.

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Program: **M.A. Final**		Year: 2	w.e.f.: 2024-2025
1.	Course Code	**ECOT201**	
2.	Course Title	**MACRO ECONOMIC ANALYSIS**	
3.	Course Type	**Theory**	
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • The concept of national income and accounts. • How the economy is moving as a whole. • The concept of consumption function and its determinants. • The concept of investment function and their determinants. • Demand for money and the factors affecting the demand for money.	
5.	**Total Marks: 100**		**Min Passing Marks:36**

Part B: Content of the Course	
Unit	**Topics**
I.	**NATIONAL INCOME AND ACCOUNTS-** Definition's various concepts' and definitions of National income (NI) and national Product Problems of measurement of NI Difficulties in the Measurement of NI, Circular flow of income- two, three and four sector economy, Different forms of national income accounting, Social Accounting, Input-Output accounting. Employment theory- Classical theory, Keynesian theory of income and Employment, Keynesian and Classical theory of Employment: Comparative study.
II.	**CONSUMPTION AND INVESTMENT FUNCTION-** Consumption Function- Marginal and average propensity to consume, Keynes's Psychological laws of consumption, determinants of consumption function. Income consumption relationship- Absolute income hypothesis, Duisenberg's Relative hypothesis, Permanent income hypothesis and the life cycle hypothesis Meaning and types of investment. Determinants of investment. Marginal Efficiency of capital investment. Saving and investment Equality, multiplier, Accelerator, super multiplier.
III.	**DEMAND AND SUPPLY OF MONEY-** Fisher and cash balance (Cambridge) Approach, Fundamental Equation of Keynes, Post Keynesian Approach to Demand for Money- Patinkin Baumols, James Tobin,

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	Friedman, Gurley and Shaw's Approaches. Definition of money Supply, determinates of money supply, RBI approach to money supply, High Powered money, Money supply and open Economy, control of Money supply.
IV.	**THEORY OF INFLATION-** Concept of inflation, semi and full inflation, demand pull and Cost push inflation. Theory of structural inflation, Causes & effects of Inflation, Stagflation control of inflation, The Phillips Curve analysis. Main features of business cycle. Types of business Cycle, Control of Business cycle, Theories of trade cycle- Hawtrey's, Hayek's and Schumpeter's Theory.
V.	**MONETARY AND FISCAL POLICIES-** Meaning, Objective and limitations of Monetary policy, instrument of Monetary Policy, Monetary Policy and Economic development, International Monetary system, International Liquidity problem, SDR and new International Economic order. Meaning and objective of Fiscal Policy, Instruments of Fiscal Policy, Monetarism Vs Fiscalism - The Debate.

Part C - Learning Resource

Text Books:

1. समष्टि अर्थशास्त्र– एम. एल. झिंगन (अष्टम संस्करण 2013), वृंदा पब्लिकेशन प्रा.लि. दिल्ली।
2. मेक्रो अर्थशास्त्र– डॉ. टी.टी. सेठी, लक्ष्मीनारायण अग्रवाल, आगरा।
3. समष्टि अर्थशास्त्र– डॉ. जे.पी. मिश्रा, साहित्य भवन पब्लिकेशन, आगरा।
4. समष्टि अर्थशास्त्र– जी. पी. सिंघई एवं डॉ. जे.पी. मिश्रा, साहित्य भवन पब्लिकेशन, आगरा।
5. Macro Economics Seth M.L.. CN Agrawal Publisher & Distributor.
6. समष्टि अर्थशास्त्र– डॉ.वी.सी. सिन्हा, पुष्पा सिन्हा।

Reference Books:

- Blackhouse, R, and A. Salansi (Eds.) (200), Macroeconomics and the Real World (2 vols) Oxford University Press, London.

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- Branson. W.A. (1989), Macroeconomics Theory and Policy, (3rd Fdition), Harper and Row, New York.
- Aombusch, R and F. Stanley (1997), Macroeconomics. McGraw Hill. inc., New York.
- Hall, R.E. and J.B. Taylor (1986), Macroeconomics, W.W>Norton, New York.
- Heijdra, B.J. and V.P. Frederick (2001), Foundations of Modern Macroeconomics, Oxford University Press, New Delhi.
- Jha.R. (1991), Contemporary Macroeconomic Theory and Policy, Wiley Eastern Lid. New Delhi.
- Romer, DL. (1996). Advanced macrocconomics, McGraw Hill Company Lid., New York.
- Scarte, B.L. (1997), Cycles, Growth and inflation. McGraw Hill, New York.
- Markeley, G. (1978), Macroeconomics Theory and Policy. Macmillan, New York.

E-Resources:

- https://www.vedantu.com/commerce/national-income
- https://www.investopedia.com/terms/c/consumptionfunction.asp
- https://www.investopedia.com/terms/k/keynesianeconomics.asp

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Part A: Introduction			
Program: **M.A. Final**		Year: 2	w.e.f.: **2024-2025**
1.	Course Code	**ECOT202**	
2.	Course Title	**PUBLIC ECONOMICS**	
3.	Course Type	**Theory**	
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Knowledge of Public Finance and taxation, principles of taxation, is very much valuable for students. • Role of Public Finance In developing countries. • Public Revenue and its impact on economy. • Public Expenditure and its impact on economy. • Growth and burden of Public debt and its impact on economy.	
5.	**Total Marks:100**		**Min Passing Marks:36**

Part B: Content of the Course	
Unit	**Topics**
I.	**INTRODUCTION** Role of Government in organized society: government in a mixed economy: Government as an agent for economic planning and development; private goods public goods and merit goods; Informational asymmetry - Theory of second best.
II.	**PUBLIC EXPENDITURE** Different forms of expenditure, economic effect of public expenditure on production and distribution, public expenditure and economic growth in hypothesis, pure theory of public expenditure budgeting, structure and growth of public expenditure, Reforms in expenditure budgeting; Programme budgeting and zeros base budgeting.
III.	**TAXATION, PRINCIPLES OF TAXATION, TYPES OF TAXES** Theory of incidence; Alternative concepts of incidence; benefit and ability to pay approaches; Theory of optima taxation; Excess burden of taxes; the problem of double taxation.
IV.	**PUBLIC DEBT** Classical view of public debt, different sources of public debt, Redemption of public debt, economic effects of public debt, Burden of public debt, principles of debt management and repayment.
V.	**FISCAL POLICY** Objectives of fiscal policy in under-developed countries, economic stability and fiscal policy; fiscal policy; fiscal policy and full employment; Interdependence of fiscal and monetary policies, balanced budget multiplier, functional finance. **FISCAL FEDERALISM**

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	Fiscal federalism in India; Finance Commission and Planning Commission; Devolution of resources and grants; Theory of Grants; Resource transfer from Union to States, Central-State financial relation in India; Problems of State resources and Indebtedness; Transfer of resources from Union and States to local bodies. **INDIAN PUBLIC FINANCES** Indian tax system: Revenue of the Union, States and bodies, Direct and indirect taxes. Reforms in direct and indirect taxes; Analysis of Central and State Government budgets; Trends in public expenditure and public debt, Fiscal crisis and fiscal sector reforms in India.

Part C - **Learning Resource**

Text Books:

- Public Finance- N.Kumar, R. Mittal
- Public Finance & Tax Planning - Alka Gupta
- Ldh RK. (2014), Pubic Finance, Kalyani Publication Ludhiana New Delhi.
- SK. Sing (2013) Principal of Public Finance Sahitya Bhavan Publication, Agra.
- Pant, KC.(2012) Public Finance.
- Sinha, VC. (201)) Public Finance and Economic, Sahitya Bhavan Publication.
- सार्वजनिक अर्थशास्त्र– बी. सी. सिन्हा
- लोक अर्थशास्त्र– डॉ पी. डी. माहेश्वरी. डॉ. शीलचन्द्र गुप्ता
- लोकवित्त एस. के. सिंह

Reference Books:

- Adinson A.B. and J.E. Siglitz (1980), Lectures on Public Economics, Tata McGraw Hill, New York.
- Auerbach, A.J. and M. Feldstem (Eds.), Handbook of Public Economics, Vol. I, North Holland Amsterdam.
- Report of Twelth Finance Commission of India.
- Government of India (1992), Reports of the Tax Reforms Committee - Interim and Final (Chairman Raja J. Chelliah)

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- Chelliah, Raja J. et. Al (1981)., Trends and issues in India's Federal Finance, NIPFP. New Delhi.
- Peacock, A and GK. Shaw (1976), The Economic Theory of Fiscal Policy, George Alen and Unwin, London.
- Sahni, B.S. (Ed.) (1972), Public Expenditure Analysis: Selected Readings, Rotherdam Uaiversity Press.
- Jha R (1998), Modern Public Economics, Routledge, London.
- Musgrave, R.A. and P.B. Musgrave (1976), Public Finance in Theory and Practice, Mcgraw Hill, Kogakusha, Tokyo.
- Comes, R and T. Sandler (1986), The Theory of Externalities, Public Goods and Club Goods, Cambridge University Press, Cambridge.

E-Resources:

- https://icssr.org/e-resources-available-nassdoc
- https://unacademy.com/content/kerala-psc/study-material/finance/public-debt-the-borrowings-taken-by-the-government/#:~:text=Public%20debt%20refers%20to%20the,from%20the%20other%20public%20incomes.
- https://www.insightsonindia.com/indian-economy-3/government-budgeting/budgeting-process-in-india/

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Part A: Introduction			
Program: **M.A. Final**		Year: 2	w.e.f.: **2024-2025**
1.	Course Code	**ECOT203**	
2.	Course Title	**ECONOMICS OF GROWTH & DEVELOPMENT**	
3.	Course Type	**Theory**	
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Economic growth and their indicators - PQLI, HDI GDI. • The concept of Capital Output Ratio, Project evaluation. • Theories of Development - classical and new models. • Modern Theories of Development- such as, Harrod - Domar model, Kaldor help them to understand the economic phenomenon of economic growth from analytical perspective. • The causes of Vicious circle of poverty.	
5.	**Total Marks:100**		**Min Passing Marks:36**

Part B: Content of the Course	
Unit	**Topics**
I.	**ECONOMIC GROWTH-I** Economic growth and development, factors affecting economic growth capital Labour and technology, Growth models- Harrod and Domar, instability of equilibrium; Neo-classical growth model-Solow and Meade, Mrs. Joan Robinson's growth model, Meaning economic growth.
II.	**ECONOMICAL GROWTH-II** Technological progress embodied and disembodied technical progress; Hicks, Harrod; learning by doing, Growth models of Kaldor and Pasinetti. Prof Mahalanobis Four sector model.
III.	**SOCIAL AND INSTITUTIONAL ASPECTS OF DEVELOPMENT-** Development and underdevelopment - Perpetuation of underdevelopment; Poverty - Absolute and relative; Measuring development and development gap- per capita income, inequality of income, Food security, education, health and nutrition; Human resources development: Population and growth pattern of population - Theory of demographic transition; population as limits to growth and as ultimate source-population, poverty and environment.
IV.	**THEORIES OF DEVELOPMENT-** Classical theory of development-contributions of Adam Smith, Ricardo, Malthus and Karl Marx and development of capitalistic economy- Schumpeter and capitalist development; innovation- role of credit, profit and degeneration of capitalism.

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V.	**APPROACHES TO DEVELOPMENT-** Partial theories of growth and development vicious circle of poverty, circular causation, unlimited supply of labour, big push balanced growth, unbalanced growth, critical minimum effort thesis. **SECTORAL ASPECTS OF DEVELOPMENT-** Role of agriculture in economic development; Efficiency and productivity in agriculture, New technology and sustainable agriculture; Globalization and agriculture growth; The choice of techniques and appropriate technology and employment;

Part C - **Learning Resource**

Text Books:

- Singhai G.C. & Mishra J.P. (2013) Macro economic Analysis, Sahitya Bhawan publication Agra.
- Mishra, J.P. (2012) Economics of Growth and development Sahitya bhawan publication Agra.
- Economics of development and Planning - S.K. MISHRA & V.K. PURI
- The economics of development and Planning - M.L.JHINGAN
- Economics of development and Planning-B.N. GHOSH
- Economics of development and Planning-R.L.GOEL
- Ademan, (1961), Theories of Economic Growth and Development. Stanford University Press, Syanford.
- Behrman, S. and TN. Srinivasam (1995), Handbook of Development Economics, Vol.3,
- Elsevier, Amsterdam. Brown. M. (1966), On the Theory and Measurement of Technical Change,
- Cambridge University Press, Cambridge, Mass.
- Chenery H.B.et.a. (Eds.) (1974) Redistribution with Growth, Oxford University Press, Oxford.
- Chenery, H and TN. Srinivasam (Eds) (1989), Handbook of Development Economics Vols. 182, Elsevier, Amsterdam.

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- Dasagupta, P. (1993). An Enquiry into Well-being and Destitution. Clarendon Press. Oxford.
- Ghatak, 5(1993), An Introduction to Development Economics, Allen and Unwind London.

Reference Books:

- Solow, R.M. (2000), Growth Theory an Exposition, Oxford University Press, Oxford.
- United Nations, Human Development Department Report 2005.
- Behrman, S. and T.N. Shrinivasan (1995), Hand book of Development Economics, Vol 1, 2, & 3, Elsevier: Amsterdam.
- Ghatak, S. (1986), An introduction to development Economics, Allen & Elnein, London.
- Sen, A.K. (Ed.) 1990 Growth Economics, Penguin, Harmonds worth.
- Dasgupta, P.A.K. Sen and S. Marglin (1972), Guidelines for project Evaluation, UNIDO, Vieana, Mehrotra, S. And J. Richard (1998), Development with a Human Face, Oxford University Press New Delhi.

E-Resources:

- https://www.investopedia.com/terms/e/economicgrowth.asp
- https://www.investopedia.com/terms/i/icor.asp
- https://www.investopedia.com/terms/i/input-output-analysis.asp

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Part A: Introduction			
Program: **M.A. Final**		Year: **2**	w.e.f.: **2024-2025**
1.	Course Code	**ECOT204**	
2.	Course Title	ECONOMICS OF SOCIAL SECTER AND ENVIRONMENT	
3.	Course Type	**Theory**	
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Studying welfare Economics, they learn how to maximize the welfare of individuals and country.	
		• Environmental and resource Economic • The important issues in Environmental Economics. • Public goods and Private goods, Causes of market failures. • The concept of Environmental values.	
5.	**Total Marks:100**		**Min Passing Marks:36**

Part B: Content of the Course	
Unit	**Topics**
I.	**Welfare Economics:-** Welfare Economics- Definition of welfare economics, Criteria of Social welfare, Bentham's criteria, Compensation Criteria, The Bergson Criteria, Pareto optimality.
II.	**Environmental Economics:-** Environmental Economics- Definition of Environmental economics, meaning & Scope- Public Goods, Private goods, Market Failure and Public goods, Theory of Externalities-Economics and Diseconomies. External Costs, Marginal social cost, Marginal private cost. Pigiovian Taxes and Subsidies Environmental Values use value, Option value, and non-use values, International Carbon Tax, Environmental and W.T.O. Macro-economic policy and Environment.
III.	**Pollution:-** Pollution-Classification of pollution, Control of Pollution, Air Pollution, Water pollution, Pollution Control Strategies, Cost-benefit analysis of Pollution; Environmental policy & Laws, Protection of Environment, Environment and Development, Sustainable Development.
IV.	**Resources:-** Resources Classification of resources, Renewable resources, Nonrenewable resources, Optimal use of resources, Land resources, Forest resources, social forestry, rationale & benefits people's participation in the management of common and forest lands energy efficiency and environment, Energy Taxation - subsidies for Biomass.

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V.	**Education & Health Economics-** Education & Health economics- education as an instrument for economic growth, The return of education, expenditure on education, The productivity of education. Human capital vs physical capital, demand for education, Benefits of education, Education planning, education and Labour Market. Poverty unemployment and education. Health economics- Determinants of health, dimension of health care, malnutrition. The concept of human life, inequalities in health-Care & Gender Perspectives.

Part C - **Learning Resource**

Text Books:

- Blong in (1922) Introduction to Economic of Education j penguin London.
- Cohn E & T taske (1989) Economic of Education pergaman press India.
- Madhu rai Environmental Economics, T. Eugene Environmental Economics.
- S. Uloognatham (2001) Environmental Economics.
- Stave Bakev Environmental Economics.
- Penman, R Ma and j Macgilvary (1996) Natural resources & Environmental Economics.
- Methass mundle & U sankar (1995). Controlling pollution an insestives and prewlation sage
- World Bank world Dev - Report Ox. Clni. Press Economics. Sanes India differetion issue.

Reference Books:

- Madhu Raj - Environmental Economics.
- Steve Baker - Environmental Economics.
- D.W. Pearce - Environmental Economics.
- Baurnol, WJ. and W.E. Oates, (1988): The Theory of Environmental Policy, (2nd Edition), Cambridge University Press, Cambridge.
- Berman, P. (Ed.) (1995): Health Sector Reform in Developing Countries: Making
- Health development sustainable, Boston: Harvard Series on Population and international Health.

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E-Resources:

- https://www.investopedia.com/terms/w/welfare_economics.asp
- https://www.sciencedirect.com/topics/economics-econometrics-and-finance/social-welfare-function
- https://www.investopedia.com/terms/p/private-good.asp
- https://www.annualreviews.org/doi/abs/10.1146/annurev.energy.30.050504.144444

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Part A: Introduction			
Program: **M.A. Final**	Group: A - 1	Year: 2	w.e.f.: **2024-2025**

1.	Course Code	**ECOT205**
2.	Course Title	**INDUSTRIAL ECONOMICS**
3.	Course Type	**Theory**
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Concept and Organisation of firm ownership • Market Structure. • Industrial Policy in India. • Privatization and liberalization • Environmental Preservation and importance, Pollution control policies.
5.	**Total Marks 100**	**Min Passing Marks:36**

Part B: Content of the Course	
Unit	**Topics**
I.	**FRAMEWORK AND PROBLEMS OF INDUSTRIAL ECONOMICS-** Concept and organization of a firm ownership, control and objectives of the firm; passive and active behavior of the firm.
II.	**MARKET STRUCTURE-** Seller's concentration; Product differentiation; Entry conditions: Economics of scale: Market structure and profitability, Market structure and innovation: Theories of industrial location; Weber and Sergeant Florence Factors affecting location.
III.	**MARKET PERFORMANCE-** Growth of the firm- Size and growth of a firm; Growth and profitability of the firm, Constraints on growth; Productivity, efficieney and capacity utilization - Concept and measurement, Indian situation.
IV.	**INDIAN INDUSTRIAL GROWTH AND PATTERN-** Classification of industrial; Industrial policy in India- Role of Public and private sectors; Recent trends in Indian industrial growth; MNCs and transfer of technology; Liberalization and privatization; Regional Industrial growth in India; Industrial economic concentration and remedial measures; issues in Industrial proliferation and environmental preservation; Pollution control policies.

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V.	**INDUSTRIAL FINANCE-** 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. **PROJECT APPRASIAL-** Cost Benefits analysis, Net Present Value (NPV) and internal rate of return (IRR) criteria balancing private and social returns. **INDUSTRIAL LABOUR-** 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. **CURRENT PROBLEMS OF SELECTED INDUSTRIES-** Iron and Steel, Cotton textiles, jute, Sugar, Coal, Cement and engineering goods Development of small scale and cottage industries in India.

Part C - Learning Resource

Text Books:

- Ahluwalia, I.J. (1985), Industrial Growth in India, Oxford University Press, New Delhi.
- Barthwal, R.R. (1985): Industrial Economics, Wiley Eastern Ltd., New Delhi.
- Chernilam, F (1994): Industrial Economics: Indian Perspective (3rd Edition), Himalaya Publishing House, Mumbai.
- Desai, B. (1999), Industrial Economic in India (3rd Edition), Himalaya Publishing house, Mumbai.
- Singh, A. and A.N. Sadhu (1988), Industrial Economics, Himalaya Publishing House, Bombay.
- Sinha V.C. and Sinha Pushpa, Industrial Economics Lok Bharti pub. Allahabad.

Reference Books:

- Divine, P.J. and R.M. Jones et. At. (1976): An Introduction to industrial economics, George Allen and Unwin Ltd., London.
- Government of India, Economic Survey (Annual)
- Hay, D. and D.J. Morries (1979), Industrial Economics: Theory and Evidence, Oxford

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University Press, New Delhi.

- Kuchhal, S.C. (1980): Industrial Economy of India, Chaitanya Publishing House, Allahabad.
- Reserve Bank of India Report on Currency and Finance (Annual).
- Singh, A. and A. Sadhu (1988): Industrial Economics, Himalaya Publishing House.

E-Resources:

- http://www.isec.ac.in/onlineresources.htm
- https://pkklib.iitk.ac.in/index.php/resources/journals/e-journals/33381:journal-of-industrial-economics

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Part A: Introduction				
Program: **M.A. Final**		Group: **B - 1**	Year: **2**	w.e.f.: **2024-2025**
1.	Course Code	**ECOT206**		
2.	Course Title	**LABOUR ECONOMICS**		
3.	Course Type	**Theory**		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Labour Market and labour policies. • Theories of wage determination.		
		• Methods of recruitment. • Labour market institution, such as collective-bargaining, social security etc. • Labour force participation rates and unemployment rates.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	Topics
I.	**Labour Market-** Nature and characteristics of labour market Analysis classical, new classical, analysis of demand and supply forces. Demand for labour relating to choice relating to choice of technology. Supply of labour in relation to growth of labour force, Rationalization methods of recruitment and placement, Employments service organization in India.
II.	**Employment-** Employment and development relationship poverty and unemployment in developing countries concept, types and measurement: particularly in India, Causes of unemployment, issues relating to employment rationalization, technological change and modernization on employment in organized, private industry, public sector and employment in agriculture sector.
III.	**Wage determination-** Various classical, neo classical and bargaining theories of wage determination, Various concepts of minimum wages and fair living, Problem of implementation of minimum wages, Wage determination by Qetor- urban & rural, Organized and unorganized, Wages and inflation, Productivity and wage relationship. Profit sharing Scheme, Causes of wage differentials in terms of firm, industry, Occupation and region.
IV.	**Industrial Relation-** Industrial Relation and trade Unions, Industrialization and emergence of trade unionism, Growth, structure and pattern of trade unionism, Achievements and failures of trade union movement, Cause of industrial disputes. Step to achieve Industrial

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	peace. Method of settlement of industrial disputes Collective bargaining Conciliation arbitration role of judicial activism, labour legislation in India. Indian labour law and practices in relation to international labour standard.
V.	**State and labour In India-** State and social security of labour, concept of social security and its evolution social assistance. Review and appraisal of state policies with respect to social security and labour welfare in India. Special problem of labour, child labour, female labour, discrimination and gender wise treatment of labour. Labour market reform- exit policy need for safety nets. Measures impairing. Flexibility in labour markets. Social Insurance. Second National commission of labour, globalization and labour markets.

Part C - Learning Resource

Text Books:

- Goyal, Sunil & Goyal, M.L. (2008): Labour Economics, R.B.S.A. Publications, Jaipur.
- Singh, Dilip Kumar, (2008): Workers Participation in Management and Industrial Relation, Rawat Publication, Jaipur & Delhi.
- Singh, Usha & Singh, H.P. (2011): Child Labour in India: Problem and Solutions. Classical Publication, New Delhi.
- Sinha V.C. Labour Economics Mayur Paper Backs Noida
- Kulshreshtha Labour Economics
- Saxsena R.C. Labour Problems & Social Welfare k Nath & Compani Meerut
- Bhagoliwal T.N. Labour Economics & Industrial Relation Sahitya Bhavan Agra.

Reference Books:

- Hajela P.D. (1998), Labour Restructuring in India: A Critique of the New Economic Policies, Commonwealth Publishers, New Delhi.
- Jhabvala, R. and R.K. Subrahmanya (Eds.) (2000). The Unorganized Sector: Work Security and Social Protection. Sage Publication, New Delhi.
- Lester. R.A. (1964). Economics of Labour. (2nd Edition), Macmilan. New York.
- Mc Connell, C.R. and S.L. Brue (1986). Contemporary Labour Economics, Mc Graw-

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Hill New York.

- Papola, T.S.P.P. Ghosh and A.N. Sharma (Eds.) 1993, Labour, Employment and industrial Relations in India, B.R. Publishing Corporation New Delhi.
- Rosenberh M.R. (1998), Labour Markets in Low Income Countries in Countries. H.B. and T.N. Srinivasan. (Eds.) The Handbook of Development Economics North-Holland, New York.

E-Resources:

- https://www.sciencedirect.com/journal/labour-economics
- https://www.springer.com/journal/41027
- https://www.ilo.org/global/publications/ilo-bookstore/order-online/books/WCMS_190112/lang--en/index.htm

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5.	Mr. Sanjay Kumar Agrawal, Asst. Professor Govt. Agrasen College Bilha	-	Member	
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Part A: Introduction				
Program: **M.A. Final**		Group: C - 1	Year: 2	w.e.f.: 2024-2025
1.	Course Code	**ECOT207**		
2.	Course Title	**DEMOGRAPHY**		
3.	Course Type	**Theory**		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Meaning and importance of demographic features in economy. • Theories of Population.		
		• Meaning and measurement of fertility. • Theory of demographic transition. • Meaning of mortality and factor responsible for birth rate, Death rate and Infant mortality rate.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	**Topics**
I.	**Demography-** Meaning, Scope and importance of demography sources of demographic data, Tools demography analysis, measurement of population growth and population pyramid
II.	**Theories of population-** Malthus theory, Socio-culture and economic theories of populations, Biological theories of population, Theory of optimum population, Theory of demographic transition
III.	**Fertility-** Meaning and definition of fertility, Measurement of fertility- child woman ratio, crude birth rate, corrected birth rate, General fertility rate, Age specific fertility rate, Total fertility rate, Gross reproduction rate, and Net reproduction rate, calculation of fertility rates, determination of fertility, Trends fertility in India.
IV.	**Mortality and morbidity-** Importance of mortality data, causes of death, meanings of morbidity, Differentials in mortality and morbidity, measurement of mortality crude death rate, Age-specific death rate, Infant mortality rate, Standardized death rate and maternal mortality rate, calculation of mortality rates, Trends in mortality in India, life table. Migration and urbanization, Population projection, growth of population in India, Population and economic development, Population explosion in India Demographic characteristics of developing countries, Population policy of India.

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V.	**Women Empowerment-** Economics status, Women in decision making, Women and labour market, 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, the new population policy; Tasks before the National Population Commission.

Part C - Learning Resource

Text Books:

- Bogue, D. J., 'Principles of Demography', Honwiley, New York.
- Sinha, V. C. and Pushpa Sinha, Principles of Demography', Mayur Paper backs.
- Mishra, Jai Prakash, Demography', Sahitya Bhawan Publications, Agra.
- Pathak, K. B. and F. Ram, 'Techniques of Demographic Analysis', Himalaya Publishing House.
- Jhingan, M. L. and others, 'Demography', Vrinda Publications (P) Ltd. Srinivasan, K., 'Basic Demographic Techniques and Applications', Sage Publication.
- वी.सी. सिन्हा जनांकिकी, साहित्य भवन पब्लिकेशन, आगरा।
- मिश्रा जे.पी. जनांकिकी, साहित्य भवन पब्लिकेशन, आगरा।

Reference Books:

- Census India SRS Bulletins, Registrar General of India, Govt. of India, 2011
- Rural-Urban distribution Census of India: Census Data 2001: India at a glance >> Rural-Urban Distribution. Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
- Number of Villages Census of India: Number of Villages Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.
- Urban Agglomerations and Towns Census of India: Urban Agglomerations and Towns. Office of the Registrar General and Census Commissioner, India. Retrieved on 2008-11-26.

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- Preston, S.H. (1976). Family Size of Children and Family Sizes of Women, Demography
- Pritchett, L.H. (1994). Desired Fertility and the Impact of Population Policies. Population and Development Review 20(1): 1-55
- Agarwal S.N. (1997) India's Population problem, Tata McGraw-Hill Co. Bombay.
- Bose, S. (1996), India's Basic Demographic Statistics, B.A. Publishing Corporation, New Delhi.
- Chenery, H. and T.N. Srinivasan (Eds.) 1989, Handbook of Development Economics Vol.1 & 2, Elesevir, Amsterdam.
- Gulati, S.C. (1988) Fertility in India: An Econometric Study of a metropolic, Saga New Delhi.
- Srinivasan: K. (1998). Basic Demographic Techniques and Application, Saga New Delhi.
- Government of India (1974). Towards Equality-Report of the Committee on the Status of Women in India. Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.
- Seth, M. (2000) Women and Dev. The Indian Exp. Saga Pub. New, Delhi.

E-Resources:

- https://www.sciencedirect.com/science/article/abs/pii/S0099133314001876
- https://ered.library.upenn.edu/cgi-bin/rds/sr.cgi?community=58
- https://www.drishtiias.com/daily-updates/daily-news-editorials/india-s-demography

Member of Board of Studies

S. No.	Name	Designation	Signature
1.	Dr. Vijay Kumar [illegible] Govt. Bilasa Girls P.G. [illegible] Bilaspur	Chairman	11.9.2023

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7.	Prof. Rohni Prasad, Professor Pt. Ravishankar Sukla University Raipur	-	Member
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Part A: Introduction				
Program: **M.A. Final**		Group: **D - 1**	Year: **2**	w.e.f.: **2024-2025**
1.	Course Code	**ECOT208**		
2.	Course Title	**AGRICULTURE ECONOMICS**		
3.	Course Type	**Theory**		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Agriculture of Chhattisgarh. • Role of agriculture in economic development.		
		• Principles of land utilization, land use. • Problem of marginal and small farmers • Understand the technology used to maximise the crop yield while maintain a good soil ecosystem.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	**Topics**
I.	**Nature and Scope of Agriculture economics-** Traditional and Modern agriculture, role of agriculture in economic Development. Problem in rural industrialization, development of Agro-based industries, between agriculture and industry. Green revolution, Agricultural Production, Production function analysis, cost concept in agriculture product, form budgeting. Resource use and efficiency in Agricultural Sector.
II.	Land use- Principles of land utilization, land distribution, Land values and rent. Land reform measures and performance, Land tenures and farming systems, problem of marginal and small farmers, Rural Labour Supply, Mobility of labour and labour market in agriculture sector, Nature of employment in rural sector Agriculture wages in India. Male-Female wage difference in agriculture
III.	**Rural Finance-** Rural Finance- role of rural capital and rural credit, Rural capital and capital formation. Characteristics and source of rural credit, Institutional and non-institutional rural credit, Rural Bank. Regional Rural Banks and Rural credit Co-operative Societies, Agriculture price- Agriculture market, behavior of agriculture price, agriculture. Markets and agriculture marketable surplus, Taxation, crop insurance, state policy and Agriculture price policy.

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IV.	**Agricultural Growth in India:** Agricultural growth in India - recent trends, inter regional variation in growth of agriculture product, cropping pattern, factors affecting productivity, pricing of input, role of subsidies, role of technology and input of irrigation in Agricultural sector. Problem and prospects of Globalization and W.T.O. in India Agricultural commodities.
V.	**Infrastructure:** Infrastructure and economic development, the structure of Transportation costs. Demand for transportation, Cost function in the transport Sector, Telephone utilities, role of postal services. Demand for Energy. Energy conservation, Renewable and Non-conventional Sources of Energy.

Part C – Learning Resource

Text Books:

- Bhahacharjee, J.P.-Studies in Indian Agricultural Economics.
- Rao, V.K.R.V.- New Challenge before Indian Agriculture.
- Mellor, J.W.-The Economics of Agricultural Development.
- Bhadure, A. (1984), The Economic Structure of Backward Agriculture, Macmillan, Delhi.
- Bilgrami, S.A.R. (1996), Agricultural Economics, Himalaya Publishing House, Delhi.
- Dantewada, M.L. Et. a, (1991), Indian Agricultural Development Since independence, Oxford Referen & BH, New Delhi.

Reference Books:

- Government of India (L976), Report of the National Commission of Agriculture, New Delhi. Government of India, Economic Survey (Annual), New Delhi.
- Gulati, A. and T. Kelly (L999), Trade Liberalization 'and Indian Agriculture, Oxford University Press, New Delhi.
- Joshi, P.C. (1975), Land Reforms in India: Trends and. Prospects. Alied Publishers,

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Bombay.

- Kahlon, A. S. and Tyagi D.S. (1983), Agriculture Price. Policy in India, Allied Publishers, New Delhi.
- Rao, C.H.I. Hanumanth (1975), Agricultural Growth, Rural Poverty, and Environmental Degradation in India, Oxford University Press, New Delhi.
- Reserve Bank of India, Report on Currency and Finance (Aual), Mumbai.
- IRudra, A. (1982), Indian Agricultural Economics, Myths and Relaity, Alled Publishers, New, Delhi.

E-Resources:

- https://icar.org.in/content/consortium-e-resources-agriculture-cera
- https://www.wileyindia.com/Wiley_Online_Resources/CeRA/CeRA.html

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S. No.	Name	Designation	Signature
1.	Dr. Vijay Kumar Sharma, Professor Govt. Bilasa Girls' PG College Bilaspur	Chairman	11.9.2023
2.	Dr. P.K. Sinha, Asst. Professor Govt. Minimata Girls' PG College Korba	Member	
3.	Miss Anuradha Tirkey, Asst. Professor Govt. College Bhaisma	Member	
4.	Mr. I.P. Dewangan, Asst. Professor Govt. College Pali	Member	
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Part A: Introduction				
Program: M.A. Final		Group: E - 1	Year: 2	w.e.f.: 2024-2025
1.	Course Code	ECOT209		
2.	Course Title	COMPUTER APPLICATION IN ECONOMIC ANALYSIS		
3.	Course Type	Theory		
4.	Course Learning Outcomes (CLO)	**By the end of the course, the students will be able to understand:** • Computer software and tools commonly used in economic analysis. • Computer programming languages to conduct economic analysis. • Elementary knowledge about computer and data processing. • Techniques and methods tables, graphs and frequency series. • The data storage and data operations.		
5.	**Total Marks:100**		**Min Passing Marks:36**	

Part B: Content of the Course	
Unit	Topics
I.	**Introduction to computer and peripherals:-** Basic components of computer- CPU, input device, Keyboard, Mouse and Scanner, Video Display, Printer and Plotters. Data storage and retrieval, hard disk, floppy disk and CD ROM. Types of computers and their applications, computers networking and resources sharing hardware, Software and firmware examples and techniques in programming languages elementary Knowledge only.
II.	**Data Processing, Techniques and Algorithms Concepts of data, record and file:** Types of data and data structure, data analysis, file handling and operations like opening, Appending and cascading, closing and attribute control; data storage and retrieval: data Operations algorithms like Sorting, merging, joining and bifurcation database concepts and operation on database. DBMS and RDBMS
III.	Statistical Processing Techniques and Methods Series; tables; Graphs and Object time and frequency series; regression methods and technique regression analysis data Validation, trends and cycle city forecasting system modelling and description: System equation. Specification: error and correction strategies; Statistical modelling and descriptive statistic, distribution functions, regression statistics.
IV.	I.T.s application commerce, Online Banking ATN's Electronic Stock, Exchange Electronic Trading data sharing and decimation: electronic Transition: Documents delivery, authentication and validation transaction; processing.

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V.	I.T. application to Commerce Electronic trading and marketing, Online shopping and malls, B2B, B2C, and G2B. models and their applications; Document and transaction Security and digital signature, integrated transaction on mobile platforms.

Part C - **Learning Resource**

Text Books:

- Rajasekaran, S. (1986): Mumerical Methods in Sciency and Engineering, A.H. Wheeler, Allahabad.
- Sanders, D.H. (1988): Computers Today, McGraw hill (3rd Edition), New York.
- Sinha. P.K. (1992): Computers Fundamentals, BPB Publications, New Delhi, Reference.

Reference Books:

- Rajaraman, V. (1996): fundamental of Computers, prentice Hall of India, New Delhi.
- Lipschultz, M.M. and S. Lipschults (1982): Theory and Problems of Data Processing Schum, Outline Series, McGraw hill, New York.

E-Resources:

- https://economics.iisuniv.ac.in/courses/subjects/computer-application-economic-analysis-1
- https://www.anuonline.ac.in/courses/ba-economics-banking-computer-applications.html

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6.	Mrs. Shraddha Das, Asst. Professor Govt. Bilasa Girls' PG College Bilaspur	-	Member
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