



MA (Economics) Semester III

Course Code	PA03CECO51	Title of the Course	Economics of Development and Planning - I
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">The objective of this course is to inculcate the ability among students to be able to compare and contrast the concepts of 'growth' and 'development', and their measurement.The objective of this course is also to explain, and provide a critical appreciation of selected theories of growth and development to the students.
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Course outline		
Unit	Unit Description	Weightage*
1.	Economic growth and development- concepts- factors affecting economic growth- Critical evaluation of merits and demerits of economic growth Evolution of the concept of Measures of economic development – GNP, GNP per capita, welfare, PQLI, HDI, GDI, GII, Multidimensional Poverty Index, Millennium Development Goals (MDGs), Sustainable Development Goals (SDGs), Happiness Index	25%
2.	Classical theories of economic development- Theories propounded by Adam Smith, David Ricardo, Malthus, J.S. Mill, Rosenstein-Rodan's Big Push theory, J.H. Boeke's Dualistic Theory	25%
3.	Characteristics of capitalist economy and socialist economy, Theory of Surplus Value given by Karl Marx, Schumpeterian theory, Lewis theory of Unlimited supply of labour, Fei and Ranis Theory of Development, population and economic development	25%
4.	Critical Minimum Effort thesis by Leibenstein, Nelson's Low-Level Equilibrium Trap, Ragnar Nurkse's views on the Doctrine of Balanced growth, Hirschman's theory of Unbalanced growth – Balanced v/s. Unbalanced growth, Choice of techniques in underdeveloped economies	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student will be able to :	
1.	Distinguish between the concepts of 'growth' and 'development' and explain various means of measurement of 'growth and development'.
2.	Describe and appraise selected theories of growth and development.

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Jhingan, M.L. (1997). <i>The Economics of Development and Planning</i> , ISBN: 978-81-8281-385-4. Vrinda Publications Pvt. Ltd., Delhi.
2.	Thirlwall, A.P. (2005). <i>Growth and Development- With Special Reference to Developing Economies</i> . 8 th Edition. Book. ISBN: 978-1-349-19837-5. New York: Palgrave McMillan.
3.	Kindle Berger, C.P. (1977). <i>Economic Development</i> . ISBN: 9780070345836 Mc Graw Hill, New York.
4.	Meier, G.M. and Rauch, J. (2005). <i>Leading Issues in Economic Development</i> . 8 th Edition, ISBN: 978-0195179606, Oxford University Press.
5.	Aggarwal, A.N. and Singh, S.P. (1979). <i>Economics of Underdevelopment</i> . ISBN: 978-0195606744. OUP, India.
On-line resources: http://hdr.undp.org/sites/all/themes/hdr_theme/country-notes/IND.pdf ; https://worldhappiness.report/archive/	



MA (Economics) Semester III

Course Code	PA03CECO52	Title of the Course	Theory of Public Economics- I
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• To elucidate the failure of the market and the need for government intervention• To compare and contrast various goods and services• To explain the functions of allocation, distribution and stabilization by the government• To examine the theories and process of revealing public choice• To examine the role of fiscal policy• To explain the nature and classification of taxes and the burden of taxation on various units of the economy
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Course Content		
Unit	Description	Weightage*
1.	Introduction Failure of the Market Mechanism and Need for Government Intervention overview of modern public economics, Market failure-imperfections, decreasing costs, monopolies, externalities, concepts of free riders, spill-over effect, types of goods and their characteristics, public, private, mixed, merit, common property resources	25%
2.	Allocation of Resources Private & public mechanism for allocating resources; Problems for allocating resources, contributions of Musgrave. Efficient provision of private social mixed and merit, Samuelson's "Same Price" rule, impossibility of decentralized provision of social goods mixed goods, bargaining in small group, allocation in the budget, principle of maximum social advantage, Pigovian corrective taxes, Coasian bargaining -common property resources: demand revealing schemes for public goods, problems of preference revelation and aggregation of preferences, voting systems, Arrow Impossibility Theorem, economic theory of democracy, politico-eco-bureaucracy	25%
3.	Stabilization and Distribution Problem of instability in an economy, role of monetary and fiscal policies in bringing stabilization in the economy, Distribution Policy-Meaning, Does equity belong in economics, allocation or distribution: Which comes first, approaches to distributive justice, limits to redistribution	25%
4.	Fiscal Policy and Public Revenue Objectives & instruments of fiscal policy, impact of Fiscal policy (tax, expenditure and debt) on allocation and efficiency, distribution and redistribution, stabilization and growth, interdependence of fiscal & monetary policies Meaning of tax, how taxes are different from other sources of revenue, inflation	25%



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	as tax. Types and Classification of taxes, impact, shifting and incidence of taxes, canons of taxes, base of tax. Laffer curve, Benefit & ability to pay approaches of taxes, taxable capacity, tradeoff between equity and efficiency, incidence of taxes and allocative efficiency, Excess burden of taxes	
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Teaching-Learning Methodology	This course shall be taught/learnt with the help of lectures, in-class discussions, students' writing assignments, class presentations, seminar presentations, sharing and accessing online resources about events happening in the Indian economy as well as the world over amongst the class.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identify the reasons for market failure and recognize the need for government intervention in the economy
2.	Categorize and differentiate between various goods and services
3.	Recapitulate the allocation, distribution and stabilization functions of the government
4.	Restate the theories and process of revealing public choice
5.	Critically evaluate the role of fiscal policy
6.	Reiterate the nature and classification of taxes and examine the burden of taxation on various units of the economy



Suggested References:	
Sr. No.	References
1.	Auerbach, A.J. and M Feldstern (Eds) (1985), Handbook of Public Economics, Vol-I, North Holland, Amsterdam.
2.	Bhatia, H.L., (2003), Public Finance, Vikas Publishing House Pvt. Ltd., New Delhi
3.	Buchanan, J.M.C. (1970) The Public Finances, Richard D. Irwin, Homewood
4.	Jha, R (1998), Modern Public Economics, Routledge London
5.	Mankar, V.G. Public Finance - Theory and Practice
6.	Menutt, P (1996), The Economics of Public Choice, Edward Elgar, U.K.
7.	Musgrave and Musgrave (1976) Public Finance in Theory and Practice, McGraw Hill

On-line Resources
www.niti.gov.in www.finmin.nic.in www.rbi.org.in www.mospi.nic.in www.mospi.gov.in www.cso.ie



MA (Economics) Semester III

Course Code	PA03CECO53	Title of the Course	International Economics - I
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">The objective of this course is to acquaint students with the tools used for analysis in theories of international trade and apply the same while understanding and examining the theories of International trade.The objective of this course is also to illustrate to students the gains from trade, terms of trade and explain to students the concept of trade multiplier.
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Course outline		
Unit	Unit Description	Weightage
1.	Theories of International Trade: Absolute advantage model of Adam Smith, Comparative advantage model of David Ricardo, Opportunity cost curves, Community Indifference Curve, Edgeworth-Bowley Box diagram, Trade equilibrium under constant, increasing and decreasing cost conditions – Haberler’s theory of opportunity cost	25%
2.	Heckscher Ohlin Theory of factor abundance –Physical and Price criterion, Demand reversal in Hecksher Ohlin model, Factor intensity reversal in Hecksher Ohlin model, Empirical testing of Hecksher Ohlin model and the Leontief Paradox, Factor Price Equalization Theorem, cases for labour and capital surplus countries, The Stolper-Samuelson Theorem, The Rybczynski Theorem	25%
3.	Marshall-Edgeworth Offer curves, J.S.Mill’s theory of reciprocal demand, Gains from trade – static and dynamic gains, Factors affecting gains from Trade, Gains from trade in small and large countries, Gains from trade under free trade, restricted trade v/s no trade Terms of trade, Factors affecting terms of trade, Technical progress and international trade: Neutral, Labour-saving and Capital-saving technical progress	25%
4.	International capital movements: Meaning, classification and factors governing international capital movements, Theory of Direct investment by Vernon & Wells (Product Life Cycle theory), Foreign Aid in Economic Development, Multi-national corporations and developing countries, Technological Transfer	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :	
1.	Recall the tools of international trade theories and apply the same in understanding why nations trade, and who gains from this trade
2.	Identify and enumerate gains from trade and terms of trade
3.	Discuss trade multiplier.

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Krugman, Paul; Obstfeld, Maurice and Melitz, Marc (2017). International Economics: Theory and Policy. 10 th Edition, Pearson Education. ISBN-10 : 9332586551, ISBN- 13: 978-9332586550
2.	Bo SOdestern, and Geoffrey Reed (1994) International Economics. 3 rd Edition, Palgrave Macmillan. ISBN-10 : 0333612167, ISBN- 13: 978-0333612163
3.	Mannur, H.G. (2018) International Economics. 2 nd revised edition, Vikas Publishing House. ISBN-10 : 0706995864, ISBN- 13: 978-0706995862
4.	Mithani, D.M. (2015). International Economics. Seventh Edition, Himalaya Publishing House Pvt. Ltd. ISBN-10 : 9352024486, ISBN- 13: 978-9352024483
5.	Jhingan, M.L. (2016). International Economics. Seventh Edition, Vrinda Publications Pvt. Ltd., Delhi. ISBN-10 : 8182815649, ISBN- 13: 978-8182815643

On-line resources
<ul style="list-style-type: none">• https://www.oecd.org/derec/sweden/foreignaid.pdf• https://www.cato.org/cato-handbook-policymakers/cato-handbook-policy-makers-8th-edition-2017/80-foreign-aid-economic-development• https://chicagopolicyreview.org/2016/06/15/does-foreign-aid-have-an-effect-on-economic-growth-new-research-adds-to-the-debate/• https://www.researchgate.net/publication/326398955_Impact_of_Multinational_Corporations• https://www.ukessays.com/essays/economics/impact-of-multinational-companies-in-developing-countries-essay.php• https://unctad.org/system/files/official-document/psiteitd28.en.pdf



MA (Economics) Semester III

Course Code	PA03EECO51	Title of the Course	Problems of Indian Agriculture
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">The objective of this course is to acquaint students about the current scenario regarding selected national and international problems faced by Indian agriculture and animal husbandry, policy initiatives and suggested solutions.
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Course outline		
Unit	Unit Description	Weightage
1.	Marketable surplus, measurement, factors affecting marketable surplus, measures to increase marketable surplus Agricultural marketing, prerequisites, problems of Indian agricultural marketing, measures taken to improve agricultural marketing	25%
2.	Agricultural productivity scenario, productivity gaps, factors affecting land and labour productivity, measures to promote land and labour productivity in India	25%
3.	Contemporary agricultural policy in India World Trade Organization and Indian agriculture, market access, domestic support, export subsidies, TRIPS, social clause	25%
4.	Animal husbandry, Importance of animal husbandry in Indian agriculture, development of animal husbandry during five-year plans, livestock development programs in India, Contemporary National Livestock development policy, Best practices in Animal husbandry	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%



Course Outcomes: Having completed this course, student would be able to :	
1.	Identify factors influencing, agricultural productivity, marketing and marketable surplus
2.	Evaluate the contemporary agricultural policy
3.	Comprehend the issues faced by developing countries like India in WTO and appreciate India's stand in the same
4.	Assess the impact of animal husbandry in the economic development of India
Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Agricultural Statistics at a Glance, Various issues.
2.	Soni, R.N. (2009). Leading Issues in Agricultural Economics: Theoretical and Applied. Vishal Publishing Co., Delhi ISBN: 81-88646-80-6
3.	Lekhi, R.K. and Singh, J. (2011). Agricultural Economics: An Indian Perspective. Kalyani Publishers. ISBN: 978-93-272-1667-7.
4.	Venugopal, P. and Kaundinya, R. (2014). Agri-Input Marketing in India. Sage, New Delhi. ISBN: 978-81-321-1771-1
5.	Dandekar, V.M. (1989). Livestock Economy of India. Oxford and IBH Publishing Co. Pvt. Ltd. Indian Society of Agricultural Economics, Bombay. ISBN 81-204-0430-0
On-line resources: https://commerce.gov.in/international-trade/india-and-world-trade-organization-wto/trade-in-goods-agriculture/wto-agreement-on-agriculture/ , https://www.wto.org/english/tratop_e/agric_e/ag_intro03_domestic_e.htm , https://dahd.nic.in/sites/default/files/NLP%202013%20Final11.pdf	



MA (Economics) Semester III

Course Code	PA03EECO52	Title of the Course	Economics of Environment - III
Total Credits of the Course	05	Total Hours per Week	05

Course Objectives / Purpose:	<ul style="list-style-type: none">• To bring out the environmental consequences of urbanization• To examine the problem of air pollution in India• To take an overview of degradation of land resources due to modern agricultural inputs in India• To examine the extent of forest degradation in India and trace policy measures in this regard• To examine the water resources of India and explore the extent of water pollution from various users
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Course Content		
Unit	Description	Weightage
1.	Environmental Implications of Urbanization - Extent and trends of urbanization in India and consequent environmental issues, suggested policy measures Air Pollution in India-Ambient air quality standards for various locations, sources and magnitude of air pollution, measures to control air pollution	25%
2.	Land Resources in India and Environmental Impact of Use of Chemical Fertilizers and Pesticides in India - Land resources in India, optimum land use pattern and environment, extent and magnitude of land degradation, policy and operational measures to conserve land resources. Use of chemical fertilizer and pesticides on agriculture and its impact on the environment, land, water and air quality	25%
3.	Forest Resources in India Extent and development of forest resources in India, magnitude of deforestation and degradation, causes, policy anomalies and conflicts related to forest dwellers, forest dependent livelihoods, India's Forest Policy since independence, suggested measures to conserve and promote forestry, global environmental externalities and climatic changes and India	25%
4.	Households and the Environment Demand side factors in environmental degradation, role of households, consumption, energy use, use of plastics, sewerage, solid waste disposal, tourism etc, policy measures implemented and suggested. Water Resources in India Nature and development of water resources in India, environmental issues in the water sector; agriculture, industry and municipal use; management of water resources in India.	25%



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Teaching-Learning Methodology	This course shall be taught/learnt with the help of lectures, in-class discussions, students' writing assignments, class presentations, seminar presentations, sharing and accessing online resources, observation and reporting of local environmental issues in the class
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Elaborate with suitable examples, the environmental consequences of urbanization
2.	Identify the sources and impact of air pollution in India
3.	Know the extent and causes for degradation of land resources and relate it with the use of modern agricultural inputs in India
4.	Be appraised of the extent of forest degradation in India and interpret policy measures taken in this regard
5.	Find out the extent of water resources of India and distinguish the nature and extent of water pollution by various users

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Asian Development Bank (ADB) (2000). India: Mainstreaming Environment for Sustainable Development.
2.	Bhattacharya, R.N. (Ed.) (2001). Environmental Economics: An Indian Perspective, Oxford University Press.
3.	Kerr, John M. et al (1997). Natural Resource Economics: Theory and Applications in India, Oxford & IBH Publishing Co. Pvt. Ltd., New Delhi.
4.	Lesser, J.A. et al. (1997). Environmental Economics and Policy, Addison-Wesley.
5.	Murty, M.N., A. James and S. Mishra, (1999), The Economics of Water Pollution in India, Oxford University press, New Delhi.



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6.	Panayatou, Theodore (1992). The Economics of Environmental Degradation: Problems, Causes and Responses. Green Markets: The economics of Sustainable Development. International Centre for Economic Growth, ICS Press, San Francisco.
7.	Pearce, D.W. and R. Kerry Turner (1993). Economics of Natural Resources and the Environment, The Johns Hopkins University Press, Baltimore, USA.
8.	Sankar, U. (Ed.) (2001). Environmental Economics, Oxford University Press
9.	Sengupta, R.P. (2001). Ecology and Economics: An Approach to Sustainable Development. Oxford University Press, New Delhi.
10.	World Bank (1992). Development and the Environment- World Development Report- 1992, Oxford University Press.
11.	World Bank (1993), The World Development Report: Investing in Health, Oxford University Press New York.
12.	World Bank (1995). Economic Developments in India: Achievements and Challenges, Washington DC.
13.	World Resources Institute (WRI) (1993). Dimensions of Sustainable Development, in World Resources- 1992-93, Washington DC.
On-line resources	
www.unep.org www.agricoop.nic.in www.moef.nic.in www.greentribunal.gov.in www.nabard.org www.cpcb.nic.in	



MA (Economics) Semester III

Course Code	PA03EECO53	Title of the Course	Human Development: Economics of Gender
Total Credits of the Course	05	Total Hours per Week	05

Course Objectives / Purpose:	<p>The objective of this course is to</p> <ul style="list-style-type: none">• Examine the impact of socio-economic development and processes on men and women through the perspective of gender.• Develop an understanding of economic thinking related to a number of issues affecting women and the economy, including, education, health and other socio-economic variables in India.• Discuss issues related to women's participation in various economic sectors besides mainstream politics and challenges thereby in India• Assess the impact of various policy initiatives in India affecting to women.
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Course outline		
Unit	Unit Description	Weightage*
1.	Gender Equality and Development Feminist Economics viz-a-viz mainstream development economics. Liberal feminism, Marxist and socialist feminism, Radical feminism, Post-modern feminism, eco-feminism, Caring labour. Women's movement in India. Gender Budgeting in India	25%
2.	Economic perspectives of Legal framework related to women in India: Law for safety of women, property rights, education of women, health of women, participation in politics and economic activity by women. Gender responsive budgeting, Women in Indian political economy	25%
3.	Policies and implementation of demographic issues of women: Gender perspective of health, safety, education, and access to economic resources, gendered causes and consequences of migration. Household decisions and bargaining power. Economics of women in unpaid household work. Methods and strategies for empowerment of women	25%
4.	Policies and implementation of economic issues of women: Women in economic activity- Gendered occupational exclusion, Women in unorganized sector, Women in agriculture, industries and services and their challenges, Challenges for women entrepreneurs in India, Women role models in Indian economy and their journeys to success, Methods and strategies for empowerment of women	25%
Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.	



Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :	
1.	Analyse various development theories from gender perspective
2.	Become more aware of their own gender related assumptions and challenge their own gender stereotypes and be more sensitive towards gender equality
3.	Comprehend the economics implications of various laws related to women in India
4.	Critically analyse the implications and implementation of policies related to economic issues of women

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Reina Lewis, Sara Mills (Ed.), 2003, Feminist Postcolonial Theory – A Reader, Edinburgh University Press, Edinburgh
2.	Women and Men in India, Ministry of Statistics and Programme Implementation (MOSPI), Government of India, latest year publication.
3.	Donovan, J (2002) Feminist Theory. London: Sage
4.	World Bank. 2012. Gender Equality and Development: World Development Report 2012. Washington, D.C: The World Bank. Overview, pp. 2-21.
5.	Joshi, K.M. and Ahir, K.V. (2021) Woman in Higher Education in India : Historical influences, Contemporary Narrative and the way ahead in Fontanini, Christine, Joshi, K.M. and Paivandi, S.(eds) International on Gender and Higher Education: Student access and success, Emerald Publishing Ltd. UK. ISBN 978-1-83909-887-1, pp. 171-192

On-line resources	
<p>https://genderstats.un.org/ , https://genderstats.un.org/#!/countries, https://www.worldbank.org/en/data/datatopics/gender/country/India , https://databank.worldbank.org/source/gender-statistics# https://www.catalyst.org/research/women-in-the-workforce-india/ Ecofeminism Clips by KJ Warren51: Environmental Racism in New Orleans: Hurricane Katrina, An Account of Chipko, Water For People, Women and Water</p>	



MA (Economics) Semester – III

Course Code	PA03EECO54	Title of the Course	Industrial Labour (Labour Economics)
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• To make the students aware about the characteristics and problems of labour.• To explain the reasons for industrial unrest and mechanism for prevention and settlement for industrial peace.• To describe the provisions under the labour legislation in India.• To narrate the evolution and functions of labour unions.
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Course outline		
Unit	Unit Description	Weightage*
1.	Meaning and characteristics of Industrial labour and labour market- Nature and characteristics of labour market in developing countries like India - Supply of labour in relationship to growth of labour force. Growth and composition of industrial labour in India and its main characteristics. Labour legislation in India - Need for principles - Evaluation of labour legislation in India -Impact of labour legislation on industrial relationship. Employment Policy in Five Year Plans and its evaluation.	25%
2.	Major labour problems in Indian economy. Housing of labour, wages, compensation, working conditions, Labour absenteeism and labour turnover. Social security- Concept, Types and importance- Organization and financing of social security- Status of social security in India.	25%
3.	Industrial Disputes- Types and Causes- Industrial peace- Prevention and settlement measures for industrial unrest- Conciliation, mediation and arbitrations as methods of industrial peace- Role of government in union-management relationships. Principles of collective bargaining. Measures to encourage collective bargaining in India Problems of collective bargaining in India.	25%
4.	Trade union movement in India - significance, problems trade unions- Present condition of trade unions in India – various major trade unions in India -The future of trade unions in India. ILO's brief history, constitution, organization, functions and achievements - India and ILO.	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :	
1.	Students express the characteristics of labour and identify their problems.
2.	Identify the reasons for industrial unrest and evaluate the performance of mechanism for prevention and settlement for industrial peace.
3.	Evaluate the labour legislation in India.
4.	Narrate the evolution and functions of labour unions.

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Desai, B. (1999) (3rd Edition), Industrial Economy of India, Himalaya Publishing House, Mumbai.
2.	Hay, D and D.J.Morris (1979), Industrial Economics, Theory and Evidence, Oxford University Press, New Delhi.
3.	Singh A. and A.N.Sadhu (1988) Industrial Economics, Himalaya Publishing Homse, Bombay.
4.	Bhagwati J. and P Desai, (1972), India: Pialming for industrization, Oxford University Press, London.
5.	Chakravarty, S. (1987) Development Pialming; The Indian Experience, Oxford University Press, New Delhi.
6.	Sandesara, J.e. (1972), Industrial Policy and Planning 1947-1991; Tendencies, Interpretations and Issues, Sage Publications, India Pvt., New Delhi.
7.	Sandesara, J. C. (1992). Industrial Policy and Planning, 1947-91- Tendencies, Interpretations and Issues. New Delhi: Sage Publications.
8.	Cherunilam, F. (1989). Industrial Economics- Indian Perspective. Bombay: Himalaya Publishing House
9.	Datt, R., & Sundharam, K. (2007). Indian Economy. New Delhi: S. Chand & Company.
10.	Kapila, U. (2000). Indian Economy Since Independence. New Delhi: Academic Foundation.



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11.	Deshpande, L.K. P.R. Brahmanands, E.A.G. Robinson, (Eds.) (1983), Employment Policy in a Developing Economy, Vol. 1 & 2, Macmillan, London.
12.	Hicks Jr. (1932), The Theory of Wages, Clarendon Press, Oxford.
13.	Lester, R.A (1964), Economics of Labour, (2nd Edition), Macmillan, New York.
14.	McConnell, B. and Smith (Eds.) (1968), The Labour Market, Penguin, Harmondsworth.
15.	Memoris, C.B. (1966) Labour Problems and Social Welfare in India, Kitab Mahal, Allahabad.
16.	Papola, T.S., P.P. Ghosh and AN.Siranna (Eds.) (1993), Labour, employment and industrial relations in India, B.R. Publishing Corporation, New Delhi.
17.	Punekar, S.D. (1978), Labour Welfare, Trade Unionism and Industrial Relations, Himalaya Publishing House, Bombay.
18.	Sharma AN. and A. Kundu (Eds.) (2001), Informal Sector in India: Emerging Perspectives, Institute for Human Development, New Delhi.
19.	Singh, VB. (1970), Industrial Labour in India, Popular Prakashan, Bombay.



MA (Economics) Semester – III

Course Code	PA03EECO55	Title of the Course	Economics of Rural Development – II
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• To make students aware about the green revolution in India.• To explain the process of rural industrialisation in India.• To describe the various sources of rural finance.• To be able to evaluate the project of rural development.
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Course outline		
Unit	Unit Description	Weightage*
1.	The Green Revolution: New Technology in Agriculture - HYVs and Improved Seeds - Spread of New Technology, its adoption, impact - Determinants of Spread of New Technology	25%
2.	Rural Industrialization in India: Progress and problems - Rational Approach - Institutional Support - Future Task. SMES in rural development- Role, Importance and limitations.	25%
3.	Financing Rural Development: Need and Measurement - Domestic Institutional Sources The Role of Non-institutional Agencies - Deficit financing and controlled Inflation - Foreign Sources of Funds - The role of foreign Investment - The role of foreign aid. Working of RRBs and its role in rural development: Introduction - sources of Funds - Uses of Funds - Results of RRBs - Quality of assets Inspection of RRBs. NABARD-its functions and role in rural development	25%
4.	Implementation, Monitoring and Evaluation: Introduction - Project implementation - Planning for implementation - Project Control Integration and coordination - People's participation in Implementation - Project monitoring - Project Evaluation .	25%

Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%



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Course Outcomes: Having completed this course, student should be able to :

1.	Understand the process of green revolution in India.
2.	Identify the structure of rural industries in India.
3.	Evaluate the various sources of rural finance.
4.	Monitor and implement the rural development project.

Suggested References:

Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Katar Singh (1999), "Rural Development - principles policies and Management" Sage Publications, New Delhi.
2.	I. Satyasundaram (1999) "Rural Development" Himalaya Publishing House, New Delhi.
3.	Bhalla. G. S. (1994) "Economic Liberalization and Indian Agriculture" (Ed) Institute for Studies in Industrial Development, New Delhi.
4.	John Mellor and Gunvant Desai (1986) "Agricultural Change and Rural Poverty", Oxford University Press, Bombay.
5.	NABARD (1999) "Review of working of Regional Rural Banks", Mumbai.
6.	Ministry of Rural area and Employment "Programs for Change" GoI, New Delhi.



MA (Economics) Semester – III

Course Code	PA03EECO56	Title of the Course	Project Work for Research Methodology
Total Credits of the Course	5	Hours per Week	7

Course Objectives	<ul style="list-style-type: none">• To identify a research problem, frame a research question• To conduct a systematic review of past studies, summarising the review and drawing conclusions from the same• To understand the various styles of citation, preparing a list of references and bibliography• To identify concepts, tools and techniques of economic analysis which could be used to conduct an investigation into particular research problem
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Course outline		
Unit	Description	Weightage*
1	<ul style="list-style-type: none">• Identification of a research problem relevant in the current Indian socio-economy• Framing a research question/questions and developing a hypothesis/es to be tested• A detailed review of past studies conducted in the concerned study• Developing a suitable research methodology for investigating into the research problem• Identification of sources of relevant secondary data required for the study• Developing a time-bound plan for conducting a survey for collecting primary data relevant to the study.• Conducting a pilot study and drawing preliminary conclusions	100%

Teaching-Learning Methodology	The course would be taught/learnt through one-to-one discussion with the faculty supervisor, group discussions, guest lectures, writing assignments, seminars, webinars, conferences etc. The student would use various online as well as library resources for conducting the literature review.
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Evaluation Pattern: Internal assessment carries 30 percent weightage and External assessment carries 70 percent weightage. External evaluation will be done by the respective supervisor and appointed external examiner. External evaluation of the submitted Project work for 70 percent carries equal weightage of 50 % each for project work and viva-voce. External referee will be appointed from faculties of department (besides respective guide) / faculties from other relevant departments or research centers of Sardar Patel University or other universities / industry practitioners / NGOs / Government officers / whoever deemed fit for evaluation work considering the theme of the project work.



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Course Outcomes: Having completed this course, student should be able to :	
1.	Gather awareness and understanding of the real economic issues being faced by the Indian economy.
2.	Relate the economic theories learnt in the classroom with real economic problems at the grass-roots level.
3.	Form a hypothesis and conduct an investigation in order to test the same in real economic conditions.
4.	Conduct a systematic analysis of the data collected during the study and arrive at logical conclusions from the same.

Suggested References	
Sr. No.	References
1.	Kothari C.R. (2009), "Research Methodology- Methods and Techniques", New Age International Publishers, New Delhi
2.	Joshi K. (1984), "Econometrics", Viral Prakashan, Ahmedabad
3.	Raiyani J. R. (2012), "Research Methodology- Theory and Techniques", New Century Publications, New Delhi
4.	Verma R. K. & Verma G. (1989), "Research Methodology", Commonwealth Publishers, New Delhi
5.	Gupta S C; Fundamental of Applied Statistics. S. Chand & Sons, New Delhi.
6.	Grewal P S; Numerical Methods of Statistical Analysis, S P Pvt. Ltd., New Delhi.
7.	Bose D.; An Introduction to Mathematical Economics, H P H. Bombay, Delhi.
8.	Gupta C.B.; An Introduction to Statistical Methods, Delhi.
9.	Patel R.K. & Patel L.B.; Business Statistic, C. Jamanadas Co. Ahmedabad.
10.	Patel Balubhai; Dhandhakiya Ankadashastra, Uni. Granthnirman Board, Ahmedabad.
11.	Zala M.L.; Arthshastrama Ganitshastra, Purbiti Prakashan, Vallabh Vidyanagar.
12.	Jaiswal M.C.; Arthvishayak Ankadashastra, Uni. Granthnirman Board, Ahmedabad.
13.	Sir Claus Moser & G. Kalton; Survey Methods on Social Investigation.
14.	Goode W.J. & Hatt P.K. - Methods in Social Research
15.	Gaitung J. - Theory and Methods of Social Research
16.	Cochran W.G. - Sampling Techniques
17.	Glock C.Y., - Survey Research in Social Science
On-line Resources	
Various websites of the government, institutes etc. that are relevant to the research problem under study	



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MA (Economics) Semester – III

Course Code	PA03EECO57	Title of the Course	Development of Cooperative Movement in India
Total Credits of the Course	5	Hours per Week	5

Course Objectives	<ul style="list-style-type: none">• To make students aware about the changes in policy for cooperatives in India.• To make aware about the cooperative sources of credit for agriculture and non-agriculture sector.• To discuss the functions and performance of various cooperatives.• To narrate the cooperative education system.
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Course outline		
Unit	Unit Description	Weightage*
1.	Growth of co-operative Movement in India Policy relating to co-operation – Development of Co-operatives under the Five Year Plans. Agricultural Co-operative Credit Primary Agricultural Credit Societies (PACS) - Co-operative Banks: Objectives, functions, working progress- National Federation of State Co-operative Banks: Objectives, activities, achievements, prospects and problems.	25%
2.	Co-operative Credit State / Central Co-operative Land Development Banks: Number and membership, working capital, losses, over-dues and recovery, prospects and problems. NABARD- Role in cooperative credits, prospects and problems.	25%
3.	Different Types of Co-operative Societies: Industrial Co-operatives, Fishery Co-operatives, Housing Co-operatives, Consumer Co-operatives, Fertilizer Co-operatives (IFFCO, KRIBHCO), Dairy Co-operatives – A critical appraisal	25%
4.	Co-operative Education, Training and Information Need and information of co-operative education- Arrangement for co-operatives education & training in India- National Co-operative Union of India (NCUI)- National Council for Co-operative Training (NCCT)- Vaikuth Mehta National Institute of Co-operative Management (VAMNICOM)- State Co-operative Unions- District Co-operative Unions- Co-operative education for members: Committee members, potential members, leadership, youth and women- International Co-operative Alliance (ICA).	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :	
1.	Use credit facilities provided by the cooperative societies.
2.	Compare the performance of different cooperatives.
3.	Get benefits of cooperative education system.

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Das T.R. and K.K. Sen, Co-operatives and Economic Development, Rawat Publication, Jaipur and New Delhi.
2.	Dwivedi R.C., Jawaharlal Nehru's Vision on Co-operatives, New Delhi.
3.	Gohel B.B., Management of Marketing Co-operatives, Deep and Deep Publication, New Delhi.
4.	Jha D., In Search of Co-operative Values, Vikas Publishing House Pvt. Ltd., New Delhi.
5.	Jain P.K., Marketing Management of Co-operative Sector in India, Krishna Publishing House, New Delhi.
6.	Kainth G.S., India's Rural Co-operatives, Regency Publication, New Delhi.
7.	Kulkarni S.R., Urban Co-operative Banks, Anmol Publications Pvt. Ltd., New Delhi.
8.	Mathur B.S., Co-operative marketing in India, Sahitya Bhavan, Agra.
9.	Mishra Baidyanath, Co-operative Movement in India, APH Publishing Co., New Delhi.
10.	NDDB, AMUL: A Success Story, Anand.
11.	Pathania K.S., Management of Co-operative Finance in India, Anmol Publications Pvt. Ltd., New Delhi.
12.	Saksena K.P., Co-operation in Development, Sage Publication, New Delhi.
13.	Saxena K.K., (1974), Evolution of Co-operative Thought, Somaiya Publication Pvt. Ltd., New Delhi.



MA (Economics) Semester – III

Course Code	PA03EECO58	Title of the Course	Financial Economics
Total Credits of the Course	5	Hours per Week	5

Course Objectives	<ul style="list-style-type: none">• To make student aware about the financial system.• To explain the credit rating system.• To discuss financial behaviour.• To describe the role of NBFIs.
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Course outline		
Unit	Unit Description	Weightage
1.	Financial system and Financial Intermediaries Financial assets and Tangible assets, rudimentary finance –direct and indirect finance, Types of economic units, Surplus spending and deficit spending economic units –Economic significance of financial intermediaries in saving-investment process and economic development The Developments banks -Meaning and functions – Characteristics of development banks - Structure of Development Banks - Development banking in India	25%
2.	Interest Rate Structure - Interest Rates - Relation between Short term and long-term interest rates- Factors causing differentials among interest rates- Maturity, Risk, Callability, Taxability, Marketability, Other factors Credit Rating -Meaning and Origin –Importance of Credit Rating from the point of view of Investors and Procedures-Drawbacks-Suggestions	25%
3.	Financial Behaviour Life cycle behaviour, Intergeneration generation transfer- Asset management under uncertainty- Asset holders investment Objectives- Correlation among security Returns-asset diversification- Meaning of risks, types of risks, risk-return trade off -Efficient portfolio- Portfolio balance Financial Assets/Instruments Significance-Equity/ordinary shares, Preference shares, Debentures, Innovative Debt instruments	25%
4.	Non-bank financial intermediaries Meaning-Significance-Structure (NBFIs)-commercial banks and NBFIs- Uniqueness -functions and role of NBFIs- NBFIs and monetary policy- NBFIs and credit creation-control of NBFIs Mutual Funds - Concept-Origin-History-Types of Mutual Fund, Merits and demerits-Advantages of investing in Mutual Fund-Net Asset Value- Methods of calculation of unit price	25%



Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern

Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :

1.	Understand the working of financial system.
2.	Evaluate the credit score of FIs.
3.	Importance of NBFIs.

Suggested References:

Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Basu S.K., Theory and Practice of Development Banking.
2.	Bhatt V.V., Structure of Financial Institutions.
3.	Bhatt V.V., Financial Systems, Innovations and Development
4.	Bhole L.M., Financial Markets and Institutions
5.	Boskey, Shirley, Problems and Practices of Development Banks
6.	Chandler L.V., The Economics of Money and Banking
7.	Conghlan Richard, The Theory of Money and Finance
8.	Desai Vasant., Fundamentals of Indian Financial System
9.	Desai V.R.M. and Ghonasgi B.D. (ed) Monetary Theory and Central Banking in India
10.	Diamond William, Development Banks



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11.	Goldsmith R.W. Financial Intermediaries in the American Economy since,1900.
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12.	Ghosh Alak, Financial Intermediaries and Monetary Policy in a Developing Economy
13.	Gurley J.G. and Shaw E.S. Money in a Theory of Finance
14.	Joshi M.S. Financial Intermediaries in India
15.	Khan M.Y., Financial system, Theory and Practice
16.	Moore Basil J., An Introduction to the Theory of Finance
17.	Pathak Bharti V., Indian Financial System
18.	Reserve Bank of India, Report of the committee on financial inclusion
19.	Sharpe W.F., Portfolio Theory and Capital Market
20.	Shaw E.S. Financial Deepening in Economic Development
21.	Simha S.L.N. Development Banking in India
22.	Singh Prabhu N., Role of Development Banks in a Planned Economy
23.	Srinivasan E.S., Financial Structure and Economic Development



MA (Economics) Semester IV

Course Code	PA04CECO51	Title of the Course	Economics of Development and Planning - II
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• The objective of this course is to explain and critically examine selected theories and models of 'growth and development'.• The objective of this course is also to develop among students' capabilities to appraise certain developmental aspects of Indian economy and determine structural changes in Gujarat economy.• Besides the objective of this course is also to develop skills and knowledge among students to be able to undertake a performance appraisal of India on development related goals.
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Course outline		
Unit	Unit Description	Weightage
1.	Rostow's stages of Economic growth, Myrdal's theory of circular causation, Mrs. Joan Robinson's Golden age model of economic growth, Harrod's model & Domar's Model, Comparison of Harrod-Domar model, Meade's Neo-classical model of economic Growth	25%
2.	Models of technical change and Hicks, Sources of economic growth by Solow and Denison, Arrow's 'Learning by Doing' model, Lucas Model, Romer's Model of Technological change, Manpower planning, manpower shortage, manpower surplus	25%
3.	Developmental aspects of Indian economy & Gujarat economy – Macro economic variables of Indian economy , Critical appreciation of economic planning in India during 1951-2017, Structure of Indian economy, Indicators and measurement of poverty and inequality in India Gujarat economy – Macro economic variables and structure of Gujarat economy	25%
4.	NITI Aayog – Concept of Co-operative Federalism, Structure, Functions, Activities Performance of India in Millennium Development Goals (MDGs), Performance of India in HDI, GDI, GII, Multidimensional Poverty Index, India's commitments in Sustainable Development Goals (SDGs),	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :	
1.	Explain and critically appreciate selected theories and models of 'growth and development'
2.	Appraise certain developmental aspects of Indian economy and structural changes of Gujarat economy
3.	Undertake a performance appraisal for India's developmental goals.

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Jhingan, M.L. (1997). <i>The Economics of Development and Planning</i> . ISBN: 978-81-8281-385-4. Vrinda Publications Pvt. Ltd., Delhi.
2.	Adelman I (1961), <i>Theories of Economic Growth and Development</i> . ISBN: 9780804700832. Stanford University Press, Stanford.
3.	Todaro, M. P. and Stephen C. Smith (2015), <i>Economic Development</i> , 8 th Edition. ISBN: 9780201770513 Delhi: Pearson Education.
4.	Piketty, T. and Saez, E. (2014). <i>Inequality in the long run</i> , Science.
5.	Basu, Kaushik (2007). <i>The Oxford Companion to Economics in India</i> , OUP.
On-line resources: https://niti.gov.in/ ; https://www.unescap.org/sites/default/files/India_and_the_MDGs_0.pdf ; https://sdgindiaindex.niti.gov.in/#/ ; http://mospi.nic.in/sites/default/files/Statistical_year_book_india_chapters/Five%20Year%20Plan%20writeup_0.pdf	



MA (Economics) Semester IV

Course Code	PA04CECO52	Title of the Course	Theory of Public Economics - II
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• To explain the theories of public expenditure and take an overview of the classification and trends of public expenditure in India• To examine the theoretical rationale of public debt and examine trends of public debt in India• To explain the federal financial structure and demonstrate the characteristics of the Indian federal financial structure• Give an overview of the major taxes of the government of India and reforms therein from time to time
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Unit	Description	Weightage
1.	Public Expenditure Wagner's law of increasing state activities, Peacock hypo thesis, Musgrave's views, pure theory of public expenditure, structure and growth of public expenditure. Indian experience, Reforms in expenditure management, criteria for public investment; social cost benefit analysis, types of benefits and costs & their measurement	25%
2.	Public Debt Meaning, need and sources of public debt, Classical view, Burden of public debt, "debt trap", present and future generations;, debt through created money, price level & public debt, crowding out of private investment & activity; trends of public debt in India, India's debt burden, methods of debt management & repayment, different concepts of deficits & their importance, meaning and need for deficit financing, problems of deficit financing	25%
3.	Fiscal Federalism System of Indian Federal Finance, Finance- Commission, Planning Commission and NITI Aayog: Resources transfers criteria, devolution of resources and grants between States and Center and problems of this system, Current Finance Commission	25%
4.	Indian Public Finance Sources of revenue of Union, States & local bodies, Indian tax system- major taxes, taxation of agriculture, expenditure tax, service tax, STT, FBT, Dividend tax, VAT-ModVAT, CENVAT, MAT, GST, Reforms in direct and indirect taxes-Recommendations of various tax reforms committees from time to time, Other Fiscal Reform, Budget: Its preparation, significance, analysis, recent Union Government budget	25%



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Teaching-Learning Methodology	This course shall be taught/learnt with the help of lectures, in-class discussions, students' writing assignments, class presentations, seminar presentations, sharing and accessing online resources, observation and reporting of local, sub-national and national economic issues in the class.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :	
1.	Express the theories of public expenditure and reproduce the classification and trends of public expenditure in India
2.	Evaluate the theoretical rationale of public debt and inspect the policy measures regarding public debt in India
3.	Scrutinize the federal financial structure and demonstrate the characteristics of the Indian federal financial structure
4.	Substantiate the experiences and arguments regarding major taxes of the government of India and reforms therein from time to time

Suggested References:	
Sr. No.	References
1.	Bagchi; Amresh; Bajaj; J.C. and Byrd, W. A (1992), States Finance in India, Vikas Publishing House.
2.	Chelliah, Raja (1997) Tax Reforms Committee-Final Report, Govt. of India, Ministry of Finance.
3.	Goode, R.(1996) Government Finance in Developing Countries, Tata Mc Grave . Hill, New Delhi.
4.	Govt. of India, Ministry of Finance, An Economic and Functional Classification of Central Govt Budgets.
5.	Govt. of India, Economic Surveys of different years.
6.	Govt. of India, Speeches of Union Finance Ministers, Ministry of Finance.



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7.	Prasad, R.C (1987) Agricultural Taxation and Economic Development, Deep and Deep Publications.
8.	Sury, M.M. (2000) fiscal policy Developments in India: 1950-2000 Indian Tax Institute
9.	R.V. Shastri, R.C. Joshi, K.J. Munshi, M.V. Joshi, (1993-94), Rashtriya Artha Vidhan, Popular Prakashan, Surat.
10.	Trivedi Ravishankar (anuvadak) (1978) Musgrave, Richard A, Jaher Arthvidhanna Siddhanto, University Granth Nirman Board.

On-line resources

www.niti.gov.in
www.finmin.nic.in
www.rbi.org.in
www.mospi.gov.in
www.cso.ie



MA (Economics) Semester IV

Course Code	PA04CECO53	Title of the Course	International Economics - II
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">The objective of this course is to equip students with the knowledge of the concepts related to international economic transactions involving foreign exchange, a systematic record-keeping and analysis of the international economic transactions in the form of Balance of Payment, Trade barriers, and international policy initiatives to resolve issues related to international trade.The course also aims to familiarise students with latest developments in international trade related to regional trade blocks and the role of Multi-national corporations in the contemporary times.
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Course outline		
Unit	Unit Description	Weightage
1.	Balance of Payment: Meaning, concept, structure of BOP by IMF, Trend of Composition and Direction of India's BOP, Equilibrium and disequilibrium in Balance of Payment, Adjustment mechanism: Automatic & Policy mechanisms, Mundell model, Marshall-Lerner condition (Elasticity approach) and 'J curve effect', Foreign trade multiplier (Income adjustment) – with foreign repercussions	25%
2.	Foreign exchange market, Rate of exchange and changes in exchange rate, Spot and Forward Exchange markets: Hedging, Speculation and Arbitrage, Exchange rate determination theories: BOP theory and Purchasing power parity theory, Fluctuations in exchange rate and its causes, Fixed and Flexible exchange rate: cases in favour and against, Adjustable peg, crawling peg, float system, Multiple exchange rate	25%
3.	Free trade v/s protectionist / restricted trade, Obstacles to trade: Natural and man-made: Tariff and non-tariff barriers to trade, Types of Tariffs and quotas, Tariff v/s quota, Effects of tariffs (Partial and General equilibrium of tariff) and effects of quota, Optimum Tariff rate, Retaliation, Dumping Role of international institutions like UNCTAD, GATT to WTO – GATS, TRIPS, TRIMS, IMF and IBRD in facilitating international trade	25%
4.	International economic integration and its types, Theory of Customs Union: Partial equilibrium (Trade Creation & Trade diversion) and General equilibrium: Lipsey model and Vanek model Existing Regional trade blocks: members, scope of activities, European Union- European Monetary system	25%



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Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :	
1.	Categorise and analyse the implications of international financial transactions for a nation.
2.	Explain how a foreign exchange market works and the impact of monetary and fiscal policy of a nation in foreign exchange market
3.	Assess the impact of various restrictive or free trade policies adopted by countries
4.	Critically appreciate the role and functions of international institutions like WTO, IMF and IBRD in terms of their contribution to international trade historically and in contemporary times
5.	Discuss the impact of regional economic groupings and multi-national corporations on various nations' welfare and their distributional effects

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Krugman, Paul; Obstfeld, Maurice and Melitz, Marc (2017). International Economics: Theory and Policy. 10 th Edition, Pearson Education. ISBN-10 : : 13-NBSI ,9332586551 9332586550-978
2.	Bo SOdestern, and Geoffrey Reed (1994) International Economics. 3 rd Edition, Palgrave Macmillan. ISBN-10 :: 13-NBSI ,0333612167 0333612163-978
3.	Mannur, H.G. (2018) International Economics. 2 nd revised edition, Vikas Publishing House. ISBN-10 : : 13-NBSI ,07069958640706995862-978
4.	Mithani, D.M. (2015). International Economics. Seventh Edition, Himalaya Publishing House Pvt. Ltd. ISBN-10 : : 13-NBSI ,9352024486 9352024483-978
5.	Jhingan, M.L. (2016). International Economics. Seventh Edition, Vrinda Publications Pvt. Ltd., Delhi. ISBN-10 : : 13-NBSI ,8182815649 8182815643-978

On-line resources websites of UNCTAD, IBRD, IMF, WTO,
https://www.wto.org/english/tratop_e/region_e/region_e.htm



MA (Economics) Semester IV

Course Code	PA04EECO51	Title of the Course	Human Development
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• The objective of this course is to acquaint students about various determinants of human development including education, health, income, gender equality and sustainable development.• It also aims to inculcate the ability to critically appreciate the performance of India in factors affecting human development in India.
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Course outline		
Unit	Unit Description	Weightage
1.	Evolution of the concept of Human Development, Computing Human Development Index (HDI), Performance of India in HDI, Interstate comparison of HDI among Indian states (State Human Development Reports), Importance of Income for human development	25%
2.	Education and Human Development, Importance of Education for human development, Literacy in India, Adult education in India, Financing of education in India, Access and equity challenges in education in India, Policy initiatives related to education in India	25%
3.	Health and Human Development, Importance of health for human development, Health indicators in India, Policy initiatives related to health in India	25%
4.	Gender and Human Development, Importance of Gender equality for achieving human development, Gender Development Index (GDI) and Gender Inequality Index (GII) calculation, GDI and GII in India, Gender disparities in education, health, economic opportunities and political participation in India, Gender budgeting in India	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student would be able to :	
1.	Compute, compare and analyse human development index using given parameters
2.	Describe the status of various attributes related to education, health and gender in India
3.	Analyse and compare the status of human development in various states
Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	United Nations Development Programme, Human Development Reports: 1990-latest issue, Oxford University Press, New York
2.	Desai, Meghnad, 1991, 'Human Development: Concepts and Measurement', European Economic Review, 35(2&3)
3.	Haq, Mahbub ul, 1995, Reflections on Human Development, Oxford University Press, New York
4.	Romer, Paul M, 1990, 'Human Capital and Growth: Theory and Evidence', Carnegie-Rochester Series on Public Policy, 32
5.	Government of India, National HDR 2001, Planning Commission, New Delhi
On-line resources: http://hdr.undp.org/ , http://www.niti.gov.in/human-development , https://ihds.umd.edu/	



MA (Economics) Semester – IV

Course Code	PA04EECO52	Title of the Course	Economics of Livestock Farming
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• To introduce the livestock sector.• To analyse the measure to promote the livestock sector.• To make aware the students about the contribution of Milk cooperatives in rural development.• To Familiarise the students with the real situation of the livestock farming.
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Course outline

Unit	Unit Description	Weightage
1.	Introduction to the livestock sector – International, National and State-level Contribution of Livestock Sector in Economic development – Experiences of National, State and local level. Livestock sector policy in India	25%
2.	Factors affecting livestock development – Measures for promotion of livestock – Threats to livestock development in Gujarat – Suggestions for development of Livestock Sector	25%
3.	Dairy Cooperatives – Development of Milk Cooperatives in Gujarat and India - Dairy development during five-year plans and its achievements, drawbacks and future lessons	25%
4.	Livestock Farming recommendations, practices and local level experiences – Case Studies of successful livestock farming and common grazing land	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern

Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co-curricular and extra-curricular activities	15%
3.	University Examination	70%



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Course Outcomes: Having completed this course, student should be able to :

1.	Establish the relationship between livestock farming and livelihood.
2.	Understand the opportunities in livestock farming.
3.	Setup the livestock farm.

Suggested References:

Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Shukal, K. C. (1973), Vyavharu Gopalan, Ahmedabad: University Granth Nirman Board, Gujarat State
2.	Trivedi, H. P. (1996), "Milk Cooperative in India- Some Major Issues", in Arth-Vikas, Vol-32, No.-2, July-December, Vallabh Vidyanagar: Department of Economics, S. P. University
3.	Vaidyanathan, A. (1992), Issues in Animal Husbandry and Dairying, in Dairy India, published by P. R. Gupta, New Delhi
4.	Savani A. V.; P. K. Shah & Bhavna Joshi, Dairy Farmno Bomiyo, Published by Rural Development Section, Gujarat State and AMUL, Anand
5.	Government of India: Various Five-Year Plans, Planning Commission, New Delhi



MA (Economics) Semester – IV

Course Code	PA04EECO53	Title of the Course	Basics of Computers for Economics
Total Credits of the Course	5	Hours per Week	7

Total 5 credits:
(a) **Classroom Teaching -3 credits**
(b) **Practical - 2 credits**

Course Objectives / Purpose:	<ul style="list-style-type: none">• To give an introduction of computer hardware and software.• To familiarize the students with word processor.• To explain the various components of spreadsheet.• To introduce the presentation tools.• To explain the networking of computers.
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Course outline		
Unit	Unit Description	Weightage*
1.	Introduction To Computer: What is Computer?- History of Computers, Characteristics of Computer System, Basic Applications of Computer, Components of Computer System, CPU, Input and Output devices, Computer Memory; Hardware and Software – Concepts, Application Software, Systems software, Multimedia and Entertainment, Basics of Operating System, popular operating systems- introduction of user interface and its functioning	25%
2.	Word Processing: Word Processing Basics, Opening Word Processing Package, Menu Bar, Using The Help, Using The Icons Below Menu Bar, Opening and closing Documents, Opening Documents, Save and Save as, Page Setup, Print Preview, Printing of Documents, Text Creation and manipulation, Document Creation, Editing Text, Text Selection, Cut, Copy and Paste, Font and Size selection, Alignment of Text, Formatting the Text, Paragraph Indenting, Bullets and Numbering, Changing case, Table Manipulation, Draw Table, Changing cell width and height, Alignment of Text in cell, Delete / Insertion of row and column, Border and shading	25%
3.	Spread Sheet : Elements of Electronic Spread Sheet, Opening of Spread Sheet, Addressing of Cells, Printing of Spread Sheet, Saving Workbooks, Manipulation of Cells, Entering Text, Numbers and Dates, Creating Text, Number and Date Series, Editing Worksheet Data, Inserting and Deleting Rows, Column, Changing Cell Height and Width, Function and Charts, Using Formulas	25%



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4.	<p>Presentation: Basics, Using PowerPoint, Opening A PowerPoint Presentation, Saving A Presentation, Creation of Presentation, Creating a Presentation Using a Template, Creating a Blank Presentation, Entering and Editing Text, Inserting And Deleting Slides in a Presentation, Preparation of Slides, Inserting Word Table or An Excel Worksheet, Adding Clip Art Pictures, Inserting Other Objects, Resizing and Scaling an Object, Providing Aesthetics, Enhancing Text Presentation, Working with Color and Line Style, Adding Movie and Sound, Adding Headers and Footers, Presentation of Slides, Viewing A Presentation, Choosing a Set Up for Presentation, Printing Slides and Handouts, Slide Show, Running a Slide Show, Transition and Slide Timings, Automating a Slide Show</p> <p>Computer Communication and Internet: Basics of Computer Networks, Local Area Network (LAN), Wide Area Network (WAN), Internet, Concept of Internet, World Wide Web and Websites, Communication on Internet</p>	25%
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Evaluation Pattern

Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co- curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :

1.	Narrate the evolution and working of computer.
2.	Use word processor for preparing a document.
3.	Use of spreadsheet for preparing the database.
4.	Prepare computer enabled / assisted presentation.
5.	Understand the networking of computer.

Suggested References:

Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	French C.S. (1998), "Data Processing and Information Technology", BPB Publications
2.	Sinha P.K (1992), "Computer Fundamentals", BPB Publications
3.	Davis G. H. (1998) "The ABCs of Microsoft Office 97 Professional edition", BPB Publications
4.	Schwartz K. (1998), "Microsoft Windows 98 Training Guide"
5.	Gupta V. (2007), "Comdex Computer Course Kit" Comdex
6.	Rajaraman (2003), "Fundamentals of Computers", PHI Publication, New Delhi



MA (Economics) Semester IV

Course Code	PA04EECO54	Title of the Course	Indian Economy
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• To appraise the students about macroeconomic trends in important macroeconomic variables of the Indian economy• To explain the causes for inflation in India, its measurement and its relationship with unemployment in the economy• To examine the pattern of industrialization in India and its various issues• To examine the agricultural growth in India and its outlook in view of globalization
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Unit	Description	Weightage
1.	Economic Development and Population Growth Theory of Demographic Transition - The Micro Economic Theory of Fertility, Population Growth and Economic Development, National Population Policy of India	25%
2.	National Income, Savings and Capital Formation in India Income Inequalities in India, National Income and population Nature, causes and measures to combat inflation in India, unemployment and inflation, stagflation in the Indian economy, WPI, CPI, MPCCE	25%
3.	Industrialization: Trends in growth and pattern of industrialization in India, problems of industrial sector, industrial disputes, industrial pollution Privatization, globalization and Indian industry, Current Industrial policy	25%
4.	Indian Agriculture: Land Reforms, Trends in crop pattern, productivity, availability and use of agricultural inputs, Indian agriculture and globalization, Current Agricultural Policy	25%

Teaching-Learning Methodology	This course shall be taught/learnt with the help of lectures, in-class discussions, students' writing assignments, class presentations, seminar presentations, sharing and accessing online resources, observation and reporting of local, sub-national and national environmental issues in the class.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%



Course Outcome: Having completed this course, the student will be able to :	
1.	Understand and interpret the various macroeconomic data concerning the Indian economy and identify their interrelationships
2.	Articulate the causes for inflation in India, explain various indices for the measurement of inflation and explain the relationship between unemployment and inflation
3.	Understand the pattern of industrialization in India appreciate the various issues plaguing it.
4.	Explain the trends of agricultural growth in India and examine it with reference to globalization of agriculture

Suggested References:	
Sr. No.	References
1.	A.N. Agrawal, 'Indian Economy: Problems of Development and Planning', New Age International Publishers, revised 33 rd Edition, 2007
2.	Datt and Sundharam, Indian Economy, 70 th revised Edition, Gaurav Datt and Ashwani Mahajan, S.Chand and Co.Pvt.Ltd., New Delhi, 2015
3.	Ramesh Singh, ' Indian Economy for Civil Services Examination', McGraw Hill Education, 7 TH Edition, 2015
4.	Abdul Sabahuddin and Rajshree Shukla, 'History of Modern Indian Economy', Global Vision Publishing House, New Delhi, 2 nd edition, 2019
5.	Kapila U., (2006-07), Indian Economy Since Independence, New Delhi: Academic Foundation
6.	Reserve Bank of India, Various Issues of ' Report of the All India Rural Credit Review Committee'.
7.	Tara Shukla : Capital formation in Indian Agriculture .
8.	Tara Shukla (Ed. by) : "Economics of Underdeveloped Agriculture."
9.	M. Khusro (Ed. by) : " Readings in Agricultural Development"
10.	Vadilal Dagli (Ed. by) : "Foundation of Indian Agriculture"
11.	Annual Report of Currency and Finance, Reserve Bank of India, Various Issues
12.	Monthly Journal of Agricultural Situation in India, Various Issues
13.	Special issue on Review of Agriculture published quarterly in the weekly journal Economic and Political Weekly, Various Issues
14.	Quarterly Journal - Indian Journal of Agricultural Economics, Various Issues
On-line resources	
www.rbi.org.in , https://agricoop.gov.in/ , https://commerce.gov.in/	



MA (Economics) Semester IV

Course Code	PA04EECO55	Title of the Course	Environmental Protection in India
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• To explain the difference between household consumption demand and environmental pollution• To examine the relationship between industrial development and environmental pollution• To examine the relationship between agricultural activities and environmental degradation• To examine the relationship between service delivery and generation of environmental waste
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Unit	Description	Weightage
1.	Importance of environmental protection Harmful impact of environmental pollution on human life and economy; Need for environmental protection; role of human being in environmental pollution, lifestyle, production, consumption, pattern of resource use, eco-friendly products, usage, practices, attitudes towards the environment; Society and environmental protection; Socio-cultural traditions, festivals, celebrations; religious beliefs and practices and their impact on environmental pollution in India; measures and prospects to make these practices eco-friendly and promote environmental protection in Indian society	25%
2.	Agriculture and environmental protection Sources and activities leading to pollution in Indian agriculture; use of land, fertilizers, irrigation, pesticides, mechanization, fuel; alternative measures and prospects to reduce pollution; measures and prospects to promote environmental protection in Indian agriculture	25%
3.	Industry and environmental protection Sources and activities causing industrial pollution in India; alternative measures and prospects to reduce and avoid pollution; methods of waste purification and management, technology, machinery, alternative fuels, measures and prospects to promote environmental protection in Indian industry	25%
4.	Services and environmental protection Sources and activities causing pollution in the service sector in India; health, transport, hospitality, information and communication, education, entertainment; alternative measures and prospects to promote environmental protection in Indian service sector	25%



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Teaching-Learning Methodology	This course shall be taught/learned with the help of lectures, in-class discussions, students' writing assignments, class presentations, seminar presentations, sharing and accessing online resources, observation and reporting of local, sub-national and national environmental issues in the class.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcome: Having completed this course, the student will be able to	
1.	To establish a connection between household consumption demand and environmental pollution
2.	To construct a relationship between industrial development and environmental pollution
3.	To understand the relationship between agricultural activities and environmental degradation
4.	To distinguish various services that are responsible for the generation of environmental waste

Sr. No.	Suggested References:
1.	Asian Development Bank (ADB) (2000). India: Mainstreaming Environment for Sustainable Development.
2.	Bhattacharya, R.N. (Ed.) (2001). Environmental Economics: An Indian Perspective, Oxford University Press.
3.	Baumol, W.J. and W.E. Oates (1988). The Theory of Environmental Policy, Cambridge University Press.
4.	Bromley, Daniel W. (Ed.) (1995). Handbook of Environmental Economics, Blackwell Publishers.
5.	Callan, S.J. and J.M. Thomas (2000). Environmental Economics and Management: Theory, Policy and Applications.
6.	Dixon, J.A. et al. (1994). Economic Analysis of Environmental Impacts. Earthscan Publications Ltd., London.
7.	Field, Barry C. and Martha Field (2002). Environmental Economics: An Introduction (3 rd ed.). McGraw-Hill Irwin.
8.	GoI (1999). Economic Survey-1998-99: Promoting Sustainable Development: Challenges for Environment Policy, New Delhi.



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9.	Hanley, N. et al. (2001). Introduction to Environmental Economics, Oxford University Press, New York.
10.	Khakhhar, K.K., “ <i>Paryavaraniya Arthashastrana Payana Siddhanto</i> ”, (2004), Adarsh Printing Press, Rajkot.
11.	Tietenberg, Tom (2001). Environmental Economics and Policy, Addison-Wesley.

On-line resources

www.unep.org
www.agricoop.nic.in
www.moef.nic.in
www.greentribunal.gov.in
www.nabard.org
www.cpcb.nic.in



MA (Economics) Semester – IV

Course Code	PA04EECO56	Title of the Course	Fundamentals of Research Methodology in Economics
Total Credits of the Course	5	Hours per Week	5

Course Objectives / Purpose:	<ul style="list-style-type: none">• To make the students aware about various kinds of research.• To create the ability among student to identify the research problem and methodology.• To inculcate skills and knowledge to undertake the qualitative research.
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Course outline		
Unit	Unit Description	Weightage*
1.	Meaning and significance of Research- Definition, Characteristics, Classification; Social Research- Types, Motivations, Factors, Basic Assumptions; Importance of Social Research, Problems encountered by Researcher - Phases of Social Research: Selection of a Research Problem, Precautions to be undertaken, Formulation of a Research Problem: Statement of a Research Problem, Objectives, Definitions and Indicators, Review of Literature	25%
2.	Qualitative research in social sciences: Introduction, Difference between qualitative and quantitative research, Methods of qualitative research and their limitations: Focussed Group Discussions, Interviews, Case study method, Ethical issues in Qualitative research. Data analysis in qualitative research	25%
3.	Nature and Sources of Data- Primary and Secondary Data; Census and Sample Methods, Sampling Techniques, Data for Research: Methods of Primary and Secondary Data Collection, Precautions to be Taken while Collecting Data, Limitations, Data Processing- Editing, Coding, Classification, Tabulation, Analysis and interpretation	25%
4.	Usages of Basic Statics in Research- Measures of Central Tendency, Dispersion, Correlation and Regression- Hypothesis and Testing of Hypothesis: Concept of Hypothesis, Significance of Hypothesis, Types, Concept of Significance Level and Confidence Level, Testing of Hypothesis	25%

Teaching-Learning Environment	The course would be taught/learnt through various means like lectures, practical, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance, Participation in co- curricular and extra-curricular activities	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, student should be able to :	
1.	Distinguish between qualitative and quantitative research.
2.	Identify the research problem and construct the research statement.
3.	Use internet in data collection and exploration of research.

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Kothari C.R. (2009), "Research Methodology- Methods and Techniques", New Age International Publishers, New Delhi
2.	Joshi K. (1984), "Econometrics", Viral Prakashan, Ahmedabad
3.	Raiyani J. R. (2012), "Research Methodology- Theory and Techniques", New Century Publications, New Delhi
4.	Verma R. K. & Verma G. (1989), "Research Methodology", Commonwealth Publishers, New Delhi
5.	Denzin, N. K.; Lincoln, Y. S. (2018), "The Sage Handbook of Qualitative Research", Sage,



MA (Economics) Semester – IV

Course Code	PA04EECO57	Title of the Course	Project Work
Total Credits of the Course	5	Hours per Week	7

Course Objectives	<ul style="list-style-type: none">To help the student develop ability to apply multi- disciplinary concepts, tools and techniques to analyse and logically approach the Economic problems.
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Course outline

Unit	Unit Description	Weightage*
	<p>Project Report (The Project Report would be based on research work undertaken)</p> <p>The Project Report would contain:</p> <ul style="list-style-type: none">Cover Page – must have the Name and Enrolment No. of the Student and the Name of the Guide, along with the Title of the Project.Detailed table of contents with page nos.All pages of the Project Report must be numbered as reflected in the table of contents.Certificate of originality- duly signed by the student and the guide with dates. Introduction to the Project and Review of Literature along with brief details of the organisation/s under study.RationaleStatement of problemObjectives of the ProjectScope of the studyResearch Methodology:Research DesignNature and Source of data/information collectedSample and Sampling method with rationaleDetails of the tools:<ul style="list-style-type: none">The Questionnaire and other methods used and their purposeReliability and Validity of the tools usedAdministration of tools and techniquesData collectionData AnalysisData Interpretation and FindingsRecommendationsSummary and ConclusionLimitations of the StudyDirection for further research (optional)Reference/BibliographyAnnexures/Appendices (Questionnaire used etc.)	100%



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Teaching-Learning Environment	The course would be taught/learned through various means like lectures, discussions, writing assignments, viva-voce, seminars presentations, browsing online-resources relevant to the content, participating in co-curricular, extra-curricular activities.
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Evaluation Pattern: Internal assessment carries 30 percent weightage and External assessment carries 70 percent weightage. External evaluation will be done by the respective supervisor and appointed external examiner. External evaluation of the submitted Project work for 70 percent carries equal weightage of 50 % each for project work and viva-voce. External referee will be appointed from faculties of department (besides respective guide) / faculties from other relevant departments or research centers of Sardar Patel University or other universities / industry practitioners / NGOs / Government officers / whoever deemed fit for evaluation work considering the theme of the project work.

Course Outcomes: Having completed this course, student should be able to :	
1.	Conduct research work.
2.	Understand the real economic conditions.
3.	Establish relationship between Economic theories with real economic problems.
4.	Find out the solutions of economic problems.

Suggested References:	
Sr. No.	Reference Books / Research papers / Reports / Any reference material used for teaching / learning the content in the course outline
1.	Kothari C.R. (2009), "Research Methodology- Methods and Techniques", New Age International Publishers, New Delhi
2.	Joshi K. (1984), "Econometrics", Viral Prakashan, Ahmedabad
3.	Raiyani J. R. (2012), "Research Methodology- Theory and Techniques", New Century Publications, New Delhi
4.	Verma R. K. & Verma G. (1989), "Research Methodology", Commonwealth Publishers, New Delhi
5.	Gupta S C; Fundamental of Applied Statistics. S. Chand & Sons, New Delhi.
6.	Grewal P S; Numerical Methods of Statistical Analysis, S P Pvt. Ltd., New Delhi.
7.	Bose D.; An Introduction to Mathematical Economics, H P H. Bombay, Delhi.
8.	Gupta C.B.; An Introduction to Statistical Methods, Delhi.
9.	Patel R.K. & Patel L.B.; Business Statistic, C. Jamanadas Co. Ahmedabad.
10.	Patel Balubhai; Dhandhakiya Ankadashastra, Uni. Granthnirman Board, Ahmedabad.
11.	Zala M.L.; Arthshastrama Ganitshastra, Purbiti Prakashan, Vallabh Vidyanagar.



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12.	Jaiswal M.C.; Arthvishayak Ankadashastra, Uni. Granthnirman Board, Ahmedabad.
13.	Sir Claus Moser & G. Kalton; Survey Methods on Social Investigation.
14.	Goode W.J. & Hatt P.K. - Methods in Social Research
15.	Gaitung J. - Theory and Methods of Social Research
16.	Cochran W.G. - Sampling Techniques
17.	Glock C.Y., - Survey Research in Social Science