

M.A. ECONOMICS

Semester III

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS					
			(Hrs)			Credits				TI	TE	PI	PE	Total	
Core Course(s)															
CC-A07	Economics of Growth and Development	241/ECO/CC301	3	1	0	3	1	0	4	30	70			100	
CC-A08	International Trade and Finance -I	241/ECO/CC302	3	1	0	3	1	0	4	30	70			100	
CC-A09	Econometrics	241/ECO/CC303	3	1	0	3	1	0	4	30	70			100	
Discipline-Specific Elective Courses															
DSE-03 One from the pool	1. Agricultural Economics -I	241/ECO/DS304	2	1	0	2	1	0	3	25	50			75	
	2. Demography -I	241/ECO/DS305													
Multidisciplinary Course(s)															
MDC-03	Drivers of Indian Economy towards Viksit Bharat		2	1	0	2	1	0	3	25	50			75	
Skill Enhancement Course(s)															
SEC-02	Data Analysis (through MS Excel)		1	0	2	1	0	1	2	10	25	05	10	50	
Value-added Course(s)															
VAC-02	Indian Budgetary System		2			2			2	15	35			50	
Seminar															
Seminar									2						
Internship/Field Survey/ Project Work															
									4						

Total Credits										28					
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#Four credits of internship earned by a student during summer internship after 2nd semester will be counted in 3rd semester

Semester IV

Course Code	Course Title	Course ID	L	T	P	L	T	P	Total Credits	MARKS					
			(Hrs)			Credits				TI	TE	PI	PE	Total	
Core Course(s)															
CC-A10	Public Economics	241/ECO/CC401	3	1	0	3	1	0	4	30	70			100	
CC-A11	International Trade and Finance - II	241/ECO/CC402	3	1	0	3	1	0	4	30	70			100	
Discipline Specific Elective Courses															
DSE-04 One from pool	1. Agricultural Economics -II	241/ECO/DS403	2	1	0	2	1	0	3	25	50			75	
	2. Demography -II	241/ECO/DS404													
Multidisciplinary Course(s)															
MDC-04	Indian Economic Policy		2	1	0	2	1	0	3	25	50			75	
Ability Enhancement Course(s)															
AEC-03	Entrepreneurship		2	0	0	2	0	0	2	15	35			50	
Community Engagement/Field Work/Survey/Seminar															
Seminar									6						
Total Credits									22						

M.A. Economics – Semester III

CC	Economics of Growth and Development
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Max. Marks: 100

Written Exam: 70 (3 Hours)

Credits: 4

Internal Assessment: 30

Note For the paper Setter:

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Course Learning Outcomes: After completing this course, the learner will be able to:

CLO1: Understand Key Concepts of Economic Growth and Development and Sustainable Development and have ability to distinguish between them

CLO 3: Develop the ability to evaluate international frameworks such as the MDGs and SDGs in assessing global development efforts.

CLO 4: Comprehend the various approaches to measuring development

CLO 5: Understand and analyze the Nature and Measurement of Poverty and Inequality

CLO 6: Analyze classical development strategies and assess their relevance to developing economies.

CLO 7: Understand and Compare Theories of Economic Growth

CLO 8: Analyze the importance of choosing appropriate technology and techniques in the context of developing economies.

CLO 9: Evaluate how monetary and fiscal policies influence economic development

UNIT – I

Concepts - Economic growth, Economic development, and Sustainable development; MDGs and SDGs. Measuring Development: Income Measures, Basic Needs Approach, PQLI, HDI and Capabilities Approach; Goulet's core values of development.

UNIT -II

Poverty, Inequality and Development -Poverty - Absolute and relative - measures of poverty and their merits and demerits; Inequality - Measures of Inequality – Impact of poverty and Inequality and policy options

Approaches to Development - Balanced and Unbalanced Growth, Big Push Approach, Hirschman's Theory

UNIT – III

Theories of Growth - Harrod – Domar, Solow, Robinson, Kaldor, Rostow's Theory of Economic Growth

UNIT – IV

Technical Progress: Disembodied and embodied, Choice of techniques and appropriate technology;

Objectives and role of monetary and fiscal policies in economic development; role of education research and knowledge – Explanation of Cross-country differentials in economic development and growth.

Reading list:

- Adelman, I. (1961). Theories of Economic Growth and Development, Stanford University Press, Stanford.
- Barro, R. J. & Sala-i-Martin, X. (2004). Economic Growth. MIT Press.
- Behrman, S. & Srinivasan, T.N (Eds.).(1995). Handbook of Development Economics, Vol. 3. Elsevier, Amsterdam.
- Brown, M. (1966). On the Theory and Measurement of Technical Change. Cambridge University Press, Cambridge.
- Chakravarti, S. (1982). Alternative Approaches to the Theory of Economic Growth. Oxford University Press, New Delhi.
- Chenery, H. & Srinivasan, T.N. (Eds.) (1989). Handbook of Development Economics, Vol. 1 & 2. Elsevier, Amsterdam.
- Ghatak, S. (1986). An Introduction to Development Economics. Allen and Unwin, London.
- Gillis, M., Perkins, D.H., Romer, M. & Snodgrass, D.R. (1992). Economics of Development. W.W. Norton, New York.
- Higgins, B. (1959). Economic Development. W.W. Norton, New York.
- Jones, H.G. (1975). An Introduction to Modern Theories of Economic Growth. Nelson, London.
- Meier, G.M. & Rauch, J.E. (2005). Leading Issues in Economic Development. Oxford University Press, New Delhi.
- Menard, C. & Shirley, M.M. (2008). Handbook of New Institutional Economics. Springer Science & Business Media.
- Schultz, Paul T. & Strauss, J. (Eds.). (2008). Handbook of Development Economics, Vol. 3. Elsevier, Amsterdam.
- Sen, A.K. (Ed.). (1990). Growth Economics. Penguin, Harmondsworth.
- Thirlwal, A.P. (1999). Growth and Development. Macmillan, U.K.
- Todaro, M.P. & Smith, S.C. (2003). Economic Development. Pearson Education, Delhi.
- https://mpira.ub.uni-muenchen.de/89355/1/MPRA_paper_89355.pdf

CC	International Trade and Finance-I
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Max. Marks: 100

Written Exam: 70 (3 Hours)

Credits: 4

Internal Assessment: 30

Note For the paper Setter

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each)

Course Learning Outcomes: After completing this course, the learner will be able to:

CLO 1: Understand the pattern, scope, potential, and related issues of international trade.

CLO 2: Understand, explain, compare, and critically evaluate the classical and neo-classical trade theories of International Trade.

CLO 3: Compare, and critically evaluate the new trade theories and their relevance in today's scenario

CLO3: Understand the theories of protection and develop the ability to appreciate economic integration and its impacts

UNIT-I

International Trade: Meaning and features of Inter-regional and International trade. Differences and similarities between Inter-regional and International trade.

Economic Growth and International trade- Production effect, Consumption Effect, Effects of Growth on small and large Countries.

UNIT-II

Theory of International Trade: Absolute Advantage, Comparative Advantage and Opportunity costs, Modern theory of international trade, Empirical testing of the theory of Absolute Cost and Comparative Cost-Heckscher-Ohlin theory of trade.

UNIT-III

Alternative theories on International Trade- Offer curve analysis, J.S. Mill theory of Reciprocal Demand, Factor Price equalization theorem, Factor progress and Rybczynski theorem, Kravis and Linder theory. Trade under Imperfectly Competitive market conditions.

UNIT-IV

The Rationale of Protection: Tariff and Non-tariff barriers to trade (Quota, voluntary export restraints, export subsidies, dumping and international cartel). Economic effects of tariffs (Partial and General Equilibrium analysis) Tariff and Stopler Samuelson Theorem.

Economic Co-operation: Forms of Economic Co-operation, Static and Dynamic Effects of Custom Union (Viner and Lipsey)

Reading List:

- Bhagwani, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University press, Massachusetts.
- Carbouth, M. (1999), International Economics, International Thompson Publishing, New York.
- Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogakusha, Japan.
- Dana, M.S. (2000), International Economics: Study Guide and Work Book (5th Edition), Rutledge Publishers, London.
- Dunn, R.M. and J.H. Mutt (2000), International Economics, Rutledge Publishers, London.
- Kindleberger, C.P. and Lindert, Peter (1978), International Economics, Irwin (Richard D.) Inc Publisher (6th Revised Edition)
- King, P.G. (1995), International Economics and International Economic Policy: A Reader, McGraw Hill International, Singapore.
- Krugman Paul.R. & Obstfeld Maurice (2009) International Economics: Theory & Policy, Pearson Addison-Wesley
- Rana, K.C. and Verma K.N. (2017), International Economics, Vishal Publishing Co.
- Salvatore, D. International Economics, An Indian Adaptation by Chandan Sharma (2021) (13th edition), Wiley
- Soderston, Bo and Reed, Geoffery (1999), International Economics (3rd Edition), Palgrave

CC	Econometrics
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Max. Marks: 100

Written Exam: 70 (3 Hours)

Credits: 4

Internal Assessment: 30

Note For the paper Setter

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each).

Course Learning Outcomes: After completing this course, the learner will be able to:

CLO 1: Understand the Foundation and methodology of econometric analysis

CLO 2: Estimate and Interpret Simple Regression Models

CLO 3: Diagnose and address Classical Assumption Violations

CLO 4: Evaluate and Choose Appropriate Econometric Models

CLO 5: Understand the issues of model specification

CLO 6: Estimate dynamic models involving lagged variables

UNIT-I

Introduction: Definition, Scope, and Uses of Econometrics, Methodology of Econometrics, Specification of an econometric model, Nature and source of data for econometric analysis, Basic concept of PRF, Simple Regression Models: Problem of Estimation (OLS)- assumptions and properties of estimators, goodness of fit.

UNIT-II

Violations of the classical assumptions: Multicollinearity, heteroscedasticity & autocorrelation - nature, consequences, detection and remedial measures.

UNIT-III

Criteria for model selection, Specification – Simultaneous Equation bias and consistency of OLS Estimators, Identification Problem, Rank and order condition for identification, Indirect Least Square (ILS) and Two stage least square (2SLS) methods of estimation

UNIT-IV

Dummy Variables – Nature and uses.

Dynamics Models: Lags in econometrics, Role of lag in economics, distributed and autoregressive lags, Koyck model, adaptive expectations and partial adjustment approaches for rationalization of Koyck models, estimation of autoregressive models.

Reading List:

- Dougherty, C. (2011). Introduction to econometrics, 4th ed. Oxford University Press.
- Gujarati, D. (2014). Econometrics by example, 2nd ed. Palgrave Macmillan.
- Gujarati, D., Porter, D. (2019). Basic Econometrics, 5th ed. McGrawHill.
- Kmenta, J. (2008). Elements of econometrics. Khosla Publishing House.
- Maddala, G., Lahiri, K. (2009). Introduction to econometrics, 4th ed. Wiley.
- Wooldridge, J. (2014). Introduction to econometrics: A modern approach, 5th ed. Cengage Learning.

DSE	Agricultural Economics-I
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Max. Marks: 75

Written Exam: 50 (2 hours)

Credits: 3

Internal Assessment: 25

Note for the paper Setter

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Course Learning Outcomes: After completing this course, the learner will be able to:

CLO 1: Analyze the significance of agricultural economics in India, understanding its basic features and market dynamics.

CLO 2: Understand the production functions in agriculture and the interdependence of agriculture and industry

CLO3: Critically evaluate prominent agricultural development theories and understand agricultural marketing's role, challenges, and government interventions in India.

UNIT- I

Agricultural Economics: Meaning, Nature, Scope and Significance. Regional disparities in Indian agriculture, Features of Agriculture produce, Types of farming, and their importance. risk and Uncertainty in Agriculture, Instability in agriculture. Supply and Demand Behavior in Agriculture.

UNIT- II

Production functions: Factor-product relationship, factor-factor relationship, and product-product relationship in Agriculture. Interdependence of Agriculture and Industrial sector. Contribution of industry to the development of agriculture. Agricultural Marketing: Concept and its role in agricultural development.

UNIT- III

Theories of Agricultural Development: Schultz's Transformation of traditional, Agriculture; Mellor's Model of agricultural Development, Fei Ranis Model of agriculture development, and Todaro's model of rural-urban migration and unemployment.

Reading List:

- Bardhan. P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University
- Brahmanada, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-State Perspectives, Bookwell, Delhi.
- Datta, R. and KP.M. Sundhram (2003), Indian Economy. S. Chand & Company Ltd. New Delhi.
- Mishra, S.K and V.K Puri Indian Economy, Himalaya Publishing House, Mumbai, Latest Edition.
- Gowri, U., Kavitha, B., Sangeetha, R., Padma Rani, S., & Kalpana, M. (2023). *Basic Agricultural Economics*. NIPA Publishers.
- Reddy, S.S. (2020). *Agricultural Economics* (2nd ed.). CBS Publishers & Distributors Pvt. Ltd.
- Singh, C.B., & Singh, R.K. (2011). *A Textbook of Agricultural Economics*. Laxmi Publications Pvt. Ltd.

DSE	Demography- I
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Max. Marks: 75

Credits: 3

Written Exam: 50 (2 hours)

Internal Assessment: 25

Note for the paper Setter

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Course Learning Outcomes: After completing this course, the learner will be able to:

CLO 1: Understand the Scope and Relevance of Demography and gain knowledge of the basic concepts related to population change and composition

CLO 2: Develop the ability to evaluate Classical and Modern Theories of Population

CLO 3: Understand and analyze Nuptiality and Marital Trends

CLO 4: Comprehend key mortality indicators and investigate mortality differentials based on age, sex, occupation, and residence

CLO 5: Understand Life Table Techniques and Demographic Models

UNIT-I

Population and Development: Evolution of Demography; Meaning, subject matter, and importance of Demography; Concepts of population change and Composition of population; Sources of Demographic Data.

Theories of Population: Malthusian Theory, Optimum Theory; Theories of Demographic Transition: Blacker and Boserup; Biological theories of Population; Approaches of Meadows, Becker and Easterlin.

UNIT-II

Fertility- Meaning & Concepts, Importance of the study of fertility-Total fertility rate, Gross reproduction rate and Net reproduction rate. Levels and trends in developed and developing countries; Factors affecting fertility, Cohort Rates and Coale Indices.

Nuptiality: Concept and analysis of marital status; Trends in age at marriage, widowhood and divorce.

UNIT-III

Mortality - Meaning & Concepts; Factors affecting Mortality, Levels and trends in mortality in developed and developing countries; Mortality differences by age & sex, residence, occupation etc. ; Foetal and Infant mortality; Factors leading to decline in mortality in recent past; Life Tables:- construction and uses; Concepts of stationary, stable, and quasi-stationary population.

Reading list:

- Aggarwal, S.N. (1985). India's Population Problem. Tata McGraw-Hill, Mumbai.
- Bhende, Asha A. & Kanitkar, Tara (2014). Principles of Population Studies. Himalaya
- Bose, A. (1996). India's Basic Demographic Statistics. B.R. Publishing Corporation, New Delhi.
- Bouge, D.J. (1971). Principles of Demography, John Wiley, New York.

- Chandna, R. C. (2014). A Geography of Population: Concepts, Determinants and Patterns. Kalyani Publishers.
- Choubey, P.K. (2000). Population Policy in India. Kanishka Publications, New Delhi.
- DLHS Reports, www.sciips.org
- Gulati, S.C. (1988). Fertility in India: An Econometric Study of a Metropolis. Sage Publications, New Delhi.
- Harper, S. (2018). Demography: A Very Short Introduction, Cambridge University Press.
- Irudaya Rajan, S. & Summeetha, M. (Eds.). (2020). Handbook of Internal Migration in India. Sage Publications.
- Majumdar, P.K. (2010). Fundamentals of Demography. Rawat Publication.
- Mishra, J.P. (2018). Demography. Sahitya Bhawan Publication.
- Mukherji, S. (2013). Migration in India: Links to Urbanization, Regional Disparities, and Development Policies. Rawat
- NFHS Reports, www.sciips.org
- Novell, C. (1990), Methods and Models in Demography. Bellhaven, Washington D.C.
- Pathak, K.B. & Ram, F. (2016). Techniques of Demographic Analysis. Himalaya Publishing House.
- Seth, M. (2000). Women and Development: The Indian Experience. Sage Publications, New Delhi.
- Siegel, Jacob S. & Swanson, David A. (2004). The Methods and the materials of Demography. Second Edition, Elsevier Science.USA.
- Srinivasan, K. (1998). Basic Demographic Techniques and Applications. Sage publications.
- Srinivasan, Krishnamurthy (2017). Population Concerns in India: Shifting Trends, Policies & Programs. Sage Publication
- Weeks, J. (2005). Population: An introduction to concepts and issues. Wordsworth Learning. Singapore 9th edition.
- Weinstein, J. & Pillai, V.K. (2015). Demography: The Science of Population. Rowman & Littlefield Publications.
- Yusuf Farhat, Jo M. Martius and David A. Seans (2016). Methods of Demographic Analysis. Springer Netherlands.

MDC	Drivers of Indian Economy towards Viksit Bharat
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Max. Marks: 75

Written Exam: 50

Credits: 3

Internal Assessment: 25

Note for the paper Setter

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Course Learning Outcomes: After completing this course, the learner will be able to:

CLO 1: Analyses the foundational and emerging drivers of India's economic growth.

CLO2: Evaluate the role of education, healthcare, infrastructure, and innovation in development.

CLO3: Critically assess national missions and policy frameworks like Atmanirbhar Bharat, Digital India, and Make in India.

CLO4: Propose innovative models and reforms to support India's development journey.

UNIT-I

Historical overview of India 's development journey since 1947

Viksit Bharat vision 2047: Vision, objectives, and its implications for different sectors. Growth engines for Viksit Bharat, difference from previous growth models of India

UNIT-II

Agriculture and Rural economy transformation under Viksit Bharat and key challenges, Need and features of Agriculture Subsidy Reforms in Viksit Bharat, Agri-Tech and Entrepreneurship.

MSMEs as a growth engine and challenges, Opportunities and challenges in Education, Healthcare and Infrastructure. Housing and urban planning for inclusive growth.

UNIT-III

Key Initiatives of Viksit Bharat, Digital India and Technology- Impact of Technology on various sectors. Role of Startups and Innovation ecosystems. Digital Transformation, Role of Smart City Mission, Make in India: objective and outcomes

Reading list -

- Economic Survey of India (latest edition)
- NITI Aayog Vision Documents (especially Viksit Bharat @2047)
- Government Schemes Portals (PM Gati Shakti, Digital India, etc.)
- World Bank, IMF & UNDP Reports on India
- Books:
 - *"India Unbound"* by Gurcharan Das
 - *"Restart: The Last Chance for the Indian Economy"* by Mihir Sharma
 - *"India's Long Road"* by Vijay Joshi

SEC	Data Analysis (through MS Excel)
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Maximum Marks: 50

External written Exam: 25

External Practical: 10

Internal Assessment: 10

Internal Practical: 05

Credits:2

Note for Paper Setter

1. Five Questions will be set in all, and students will be required to attempt 3 questions.
2. Question No. 1 will be compulsory and will consist of 3 short answer type questions of 3 marks spread over the entire syllabus (3x3=09 marks).
3. For the remaining two questions, students will attempt 1 out of 2 questions from each of the two units (08 marks each).

Course Learning Outcomes: After completing this course, the learner will be able to:

CLO 1: Understand and apply the measures of central tendencies and interpret their significance in summarizing data sets.

CLO 2: Compute and interpret mean deviation, standard deviation, and coefficient of variation to assess the spread and consistency of data.

CLO 3: Understand the concept of correlation and calculate & interpret correlation coefficients.

CLO 4: Understand the concepts of simple and multiple linear regression along with the application of simple linear regression and interpret the regression coefficient

CLO 5: Understand the key elements of hypothesis testing

NOTE: The theory paper will be set on the basic concepts and simple numerical examples. In the practical classes the students to learn the following concepts through MS Excel. Internal practical and External practical exam to include the performance on practical usage of MS Excel.

UNIT-I

Basic Measures of Central Tendency and Dispersion- Arithmetic Mean, Median, Mode, Mean Deviation, Standard Deviation, Coefficient of Variation and Lorenz Curve.

Correlation: Meaning and types, Methods of measurement: Graphic, Algebraic (Karl Pearson, Spearman)

UNIT-II

Basic Concept of Simple and Multiple Linear Regression, Application of simple linear regression, Coefficient of determination, Difference between correlation and regression

Testing of Hypothesis- Basic Concept of Hypothesis testing (Null Hypothesis, Alternative Hypothesis, Type-I and Type -II Errors, Level of Significance, Critical Region or Rejection Region, Critical Value), Procedure of testing a hypothesis

Reading List

- Aggarwal, B.L. (2006). Basic Statistics. New Age International Publishers, New Delhi.
- Gupta, S.C. & Kapoor, V.K. (2007). Fundamentals of Applied Statistics. S. Chand and Sons, New Delhi.
- Naghshpour, S. (2012). Statistics for Economics. Business Expert Press.
- Sharma, J.K. (2012). Business Statistics. Dorling Kindersley (India) Pvt. Ltd., New Delhi

VAC	Indian Budgetary System
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Max. Marks: 50

Credits: 2

Written Exam: 35 (2 Hours)

Internal Assessment: 15

Note For the paper Setter

1. Five Questions will be set in all and students will be required to attempt 3 questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 3 marks spread over the entire syllabus (3x5=15 marks).
3. From the remaining four questions, students will attempt 1 out of 2 questions from each of the two units (10 marks each)

Course Learning Outcomes: After completing this course, the learner will be able to-

CLO 1: Understand the Financial Planning role of the Government in India

CLO 2: Analyze Budgetary Practices and Frameworks in India

CLO 3: Understand the Budget Lifecycle in India

CLO 4: Identify and describe the core components of the budget in India

UNIT-I

Budget: Concept, Constitutional provisions of Budget in India. Need, Objectives and functions of Government Budget, Brief description of Budget Documents and Components of Government Budget in India. Concepts of Balanced, Surplus and Deficit budget., Various types of deficits and impact of fiscal deficit

UNIT-II

Union budget and Interim Budget, Budget making process in India: Budgetary cycle, Stages of enactment of Budget, Others Grants, Actual, Revised and budget estimates, Policy highlights of the current Union Budget (brief outline), Analysis of impact of Current Union Budget mainly with reference to key sectors (In brief)

NOTE: The students to be guided towards understanding Union budget and its impact through student centric group discussions and debates. This activity may be included in the internal assessment process.

Reading List:

- Musgrave, R. A., & Musgrave, P. B. (1989). Public Finance in Theory and Practice (5th ed.). McGraw-Hill Education.
- Singh, S. K. (2014). Public Finance in Theory and Practice. S. Chand Publishing.
- Goel, S. L. (2002). Public Financial Administration. Deep & Deep Publications.
- Government of India, Ministry of Finance. (n.d.). Budget Documents (Annual). Retrieved from <https://www.indiabudget.gov.in>
- Government of India, Ministry of Finance. (n.d.). Economic Survey of India (Annual). Retrieved from <https://www.indiabudget.gov.in>
- Government of India. (2014). Report of the Thirteenth Finance Commission. Retrieved from <https://fincomindia.nic.in>
- Government of India. (2019). Report of the Fourteenth Finance Commission. Retrieved from <https://fincomindia.nic.in>
- Government of India. (2021). Report of the Fifteenth Finance Commission (2021–26). Retrieved from <https://fincomindia.nic.in>
- Jha, R. (2002). Modern Public Economics. Routledge.
- Bagchi, A. (2003). Fiscal Federalism in India. Oxford University Press.

- Bhatia, H. L. (2021). Public Finance (Latest ed.). Vikas Publishing House.
- Saxena, A. (2011). Gender budgeting in India. The Indian Journal of Public Administration
- <https://dea.gov.in/divisionbranch/brief-description-budget-documents>

Semester- IV

CC	Public Economics
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Max. Marks: 100

Credits: 4

Written Exam: 70 (3 Hours)

Internal Assessment: 30

Note For the paper Setter

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each)

Course Learning Outcomes: After completing this course, the learner will be able to-

CLO 1: Understand the role of an Economist and inculcate the ability to think like an Economist, as a Scientist, and as a Policy Adviser.

CLO 2: Develop a comprehensive understanding of different Public Finance concepts.

CLO 3: Analyze various budgetary Practices.

CLO 4: Apply the Taxation Principles

CLO 5; Examine and understand Fiscal Federalism in the context of India.

UNIT-I

Meaning, scope and importance of public finance. Fiscal functions. The concept of public goods, Pure public goods, private goods, mixed goods, merit goods and club goods. The optimal provision of public goods (Lindhal's model and Samuelson's theory), Free Rider Problem, Market failure and government intervention.

UNIT-II

Concept of budget, its various types. Functions of a budget, Modern classification of budget. Balanced and Unbalanced Budget Concept of various types of budgetary deficits and their implications. Deficit Financing: Meaning objectives and effects

UNIT-III

Public expenditure: structure and growth of public expenditure. Various Hypothesis and effect of public expenditure.

Theories of Taxation: ability to pay and benefit principle of taxation. Classification and effects of taxes, Elasticity, Buoyancy and Taxable capacity. Incidences of taxation.

UNIT-IV

Public Debt: Meaning and sources, Economic effects of Public Debt, Public Debt in India: objectives, composition, ownership and debt management.

Indian Fiscal Federalism: vertical and horizontal imbalances. Constitutional provisions of assignment of functions and sources of revenue. Centre-State financial relations in India. Local

bodies Finance, Latest Finance Commission of India.

Reading list:

- Lekhi, R. K., Singh, Joginder: Public Finance, Kalayani Publishers.
- Hajela, T.N. 'Public finance. (4th Ed.) Ane BOOKs Pvt Ltd, 2010.
- Musgrave, R & Musgrave, P B: Public Finance in Theory and Practice. McGraw – Hill International Eds.
- Boadway, R. (1984). Public Sector Economics. Cambridge Winthrop Publishers.
- Cullis, John & Jones, Philip (2009). Public Finance and Public Choice: Analytical Perspectives. Oxford University Press.
- Herber, B.P. (1984). Modern Public Finance.
- Rosen, H. & Gayer, T. (2009). Public Finance. McGraw Hill.
- Hindriks, J. & Myles, G. D. (2013). Intermediate Public Economics. The MIT Press.
- Peacock, and Straw, G K (1970): The Economic Theory of Fiscal Policy
- Chelliah, R C (1996): Sustainable Growth, Essays on Financial and Fiscal Sector Reforms, Oxford University Press.
- RaghbendraJha (1999): Modern Public Economics, Rotledge Govt. of India, Ministry of Finance: Sarkaria Commission Report on Centre State Financial Relations.
- Akerlof, G. (1970). The Market for 'Lemons': Quality Uncertainty and the Market Mechanism. Quarterly Journal of Economics, 84(3), 488-500.
- Ayres, I. & Levitt, Steven D. (1998). Measuring Positive Externalities from Unobservable Victim Precaution: An Empirical Analysis of Lojack. Quarterly Journal of Economics, 113(1), 43-77.
- Coase, R. (1960). The Problem of Social Cost. Journal of Law and Economics, 3, 1-44.

CC	International Trade and Finance-II
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Max. Marks: 100

Written Exam: 70 (3 Hours)

Credits: 4

Internal Assessment: 30

Note For the paper Setter

1. Nine Questions will be set in all and students will be required to attempt 5 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining eight questions, students will attempt 1 out of 2 questions from each of the four units (14 marks each)

Course Learning Outcomes: After completing this course, the learner will be able to-

CLO 1: Understand the Structure and Dynamics of Balance of Payments (BOP) and its equilibrium & disequilibrium adjustments.

CLO 2: Understand, explain, and present various approaches to foreign exchange rate determination

CLO 3: Understand and analyze the workings of International Financial Management and Institutions.

CLO 4: Assess India's Foreign Trade Policy in a Global Context

UNIT- I

Balance of Trade and Balance of Payments (BOP), Components of BOP, Equilibrium and Disequilibrium in BOP, Causes of disequilibrium in BOP, Measures to correct the adverse BOP, Import substitution and export promotion, Importance of import substitution and export promotion for Self-Reliant India (Aatmnirbhar Bharat).

UNIT-II

Exchange rate: Meaning and Definitions, Fixed and flexible exchange rates, Merits and demerits of fixed and flexible exchange rates. Theories of Exchange rate: Mint-Par theory, Purchasing power parity theory, Balance of payment theory. Foreign Exchange Market: Expectations (Spot rate, forward exchange rate, speculative pressures)

UNIT-III

International Monetary Institutions: Objectives and functions of IMF, World Bank and ADB. Objectives and functions of WTO. Positive and negative impacts of WTO policies on India.

UNIT-IV

India's foreign trade policies since 1991. Achievements and Failures of India's foreign trade policies. India's trade with BRICS Nations. India's trade with SAARC Nations. Challenges and opportunities of India's Free Trade Agreement with U.K.

Reading List:

- Bhagwani, J. (Ed.) (1981), International Trade, Selected Readings, Cambridge University press, Massachusetts.
- Carbouth, M. (1999), International Economics, International Thompson Publishing, New York.
- Chacholiades, M. (1990), International Trade: Theory and Policy, McGraw Hill, Kogakusha, Japan.
- Caves, Frankel and Jones. International Trade and Payments. Pearson Education
- Dana, M.S. (2000), International Economics: Study Guide and Work Book (5th Edition), Rutledge Publishers, London.
- Dunn, R.M. and J.H. Mutt (2000), International Economics, Rutledge Publishers, London.
- Feenstra, Taylor. International Economics. Worth Publishers
- Helpman. Understanding Global Trade. Belknap Press.
- Kindleberger, C.P. and Lindert, Peter (1978), International Economics, Irwin (Richard D.) Inc Publisher (6th Revised Edition)
- King, P.G. (1995), International Economics and International Economic Policy: A Reader, McGraw Hill International, Singapore.
- Krugman Paul.R. & Obstfeld Maurice (2009) International Economics: Theory & Policy, Pearson Addison-Wesley
- Rana, K.C. and Verma K.N. (2017), International Economics, Vishal Publishing Co.
- Salvatore, D. International Economics, An Indian Adaptation by Chandan Sharma (2021) (13th edition), Wiley
- Soderston, Bo and Reed, Geoffery (1999), International Economics (3rd Edition), Palgrave

DSE	Agricultural Economics-II
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Max. Marks: 75

Credits: 3

Written Exam: 50

Internal Assessment: 25

Note for the paper Setter

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Course Learning Outcomes: After completing this course, the learner will be able to-

CLO 1: Identify and evaluate the major sources of agricultural finance in India and analyze the role of NABARD in promoting rural and agricultural development.

CLO 2: critically examine key agricultural policies in India, including pricing, procurement, insurance, and fertilizer policies, and assess their impact on farmers and food security.

CLO 3: Analyze the impact of WTO policies on Indian agriculture, assess the causes of low productivity, and evaluate the role of technology and investments in enhancing agricultural performance and exports.

UNIT- I

Agricultural Finance: Major sources of Agricultural finance. Co-operative Societies, Regional Rural Banks, Commercial Banks and Microfinance Institutions. Role of NABARD in agricultural development in India.

UNIT- II

Agriculture Policies: National agricultural policy, National fertilizer policy, crop insurance policy, wheat and rice procurement policy, Agriculture price policy, and Minimum Support Price.

UNIT- III

WTO and its impact on Indian Agriculture. Share of Agriculture Produce in Indian Exports. Major causes of low productivity in Indian Agriculture and their solutions. Role of technology in Agriculture development. Trends in public and private investment in Indian Agriculture.

Reading List:

- Bardhan. P.K. (9th Edition) (1999), The Political Economy of Development in India, Oxford University
- Brahmanada, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-State Perspectives, Bookwell, Delhi.
- Datta, R. and KP.M. Sundhram (2003), Indian Economy. S. Chand & Company Ltd. New Delhi.
- Mishra, S.K and V.K Puii Indian Economy- 151 Development Experience, Himalaya Publishing House, Mumbai, Latest Edition.

- Gowri, U., Kavitha, B., Sangeetha, R., Padma Rani, S., & Kalpana, M. (2023). *Basic Agricultural Economics*. NIPA Publishers.
- Reddy, S.S. (2020). *Agricultural Economics* (2nd ed.). CBS Publishers & Distributors Pvt. Ltd.
- Singh, C.B., & Singh, R.K. (2011). *A Textbook of Agricultural Economics*. Laxmi Publications Pvt. Ltd.

DSE	Demography-II
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Max. Marks: 75
Credits: 3

Written Exam: 50
Internal Assessment: 25

Note for the paper Setter

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Course Learning Outcomes: After completing this course, the learner will be able to:

CLO 1: Comprehend the methodology of the Census in India with specific emphasis on the 2011 Census.

CLO 2: Analyze the objectives and findings of various rounds of the National Family Health Survey

CLO 3: Study and comprehend the changing demographic profile and occupational structure of India

CLO 4: Gain knowledge of concepts related to migration – internal and international – with a special focus on India

CLO 5: Examine the patterns, causes, and consequences of urbanization in both developed and developing countries, with a special reference to India.

CLO 6: Trace the evolution of India's population policy and major policy initiatives

CLO 7: Analyze how demographic trends interact with economic growth and environmental sustainability

UNIT-I

Demographic Database in India

Census in India – Methodology and Characteristics; Nature of information collected with emphasis on 2011 Census. National Family Health Survey – Objectives & Various Rounds. Sample Surveys in India; Changing characteristics of population in India; Occupational Structure of Indian Population.

UNIT-II

Migration and Urbanization

Migration: Meaning & Types, importance of migration, Determinants of Migration, Sources of Migration Data, International Migration, Brain Drain and Brain Gain, Theories of Migration, Migration in India

Urbanization: Growth and distribution of Rural- Urban Population in Developed and Developing countries with special reference to India.

UNIT-III

Evolution of Population Policy in India: Evolution of Population: Shift of Population Policy from Population control to Reproductive and Child health care; Family Planning Strategies and their outcomes; National Population Policy, 2000; Demographic dividend in India: Features and importance, Harnessing demographic dividend in India: Challenges and measures,

Reading list:

- Aggarwal, S.N. (1985). India's Population Problem. Tata McGraw-Hill, Mumbai.
- Bhende, Asha A. & Kanitkar, Tara (2014). Principles of Population Studies. Himalaya
- Bose, A. (1996). India's Basic Demographic Statistics. B.R. Publishing Corporation, New Delhi.
- Bouge, D.J. (1971). Principles of Demography, John Wiley, New York.
- Chandna, R. C. (2014). A Geography of Population: Concepts, Determinants and Patterns. Kalyani Publishers.
- Choubey, P.K. (2000). Population Policy in India. Kanishka Publications, New Delhi.
- DLHS Reports, www.sciips.org
- Gulati, S.C. (1988). Fertility in India: An Econometric Study of a Metropolis. Sage Publications, New Delhi.
- Harper, S. (2018). Demography: A Very Short Introduction, Cambridge University Press.
- Irudaya Rajan, S. & Summeetha, M. (Eds.). (2020). Handbook of Internal Migration in India. Sage Publications.
- Majumdar, P.K. (2010). Fundamentals of Demography. Rawat Publication.
- Mishra, J.P. (2018). Demography. Sahitya Bhawan Publication.
- Mukherji, S. (2013). Migration in India: Links to Urbanization, Regional Disparities, and Development Policies. Rawat
- NFHS Reports, www.sciips.org
- Novell, C. (1990), Methods and Models in Demography. Bellhaven, Washington D.C.
- Pathak, K.B. & Ram, F. (2016). Techniques of Demographic Analysis. Himalaya Publishing House.
- Seth, M. (2000). Women and Development: The Indian Experience. Sage Publications, New Delhi.
- Siegel, Jacob S. & Swanson, David A. (2004). The Methods and the materials of Demography. Second Edition, Elsevier Science. USA.
- Srinivasan, K. (1998). Basic Demographic Techniques and Applications. Sage publications.
- Srinivasan, Krishnamurthy (2017). Population Concerns in India: Shifting Trends, Policies & Programs. Sage Publication
- Weeks, J. (2005). Population: An introduction to concepts and issues. Wordsworth Learning. Singapore 9th edition.
- Weinstein, J. & Pillai, V.K. (2015). Demography: The Science of Population. Rowman & Littlefield Publications.
- Yusuf Farhat, Jo M. Martius and David A. Seans (2016). Methods of Demographic Analysis. Springer Netherlands.

MDC	Indian Economic Policy
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Max. Marks: 75

Credits: 3

Written Exam: 50

Internal Assessment: 25

Note for the paper Setter

1. Seven Questions will be set in all and students will be required to attempt 4 questions.
2. Question No. 1 will be compulsory and will consist of 7 short answer type questions of 2 marks spread over the entire syllabus (2x7=14 marks).
3. From the remaining six questions, students will attempt 1 out of 2 questions from each of the three units (12 marks each).

Course Learning Outcomes

CLO 1: Understand Structural Changes and Policy Institutions in the Indian Economy

CLO 2: Understand and Evaluate the Impact of Economic Reforms in India

CLO3: Understand the goals, tools, and effectiveness of India's fiscal and monetary policies

CLO 4: Analyze Sector-Specific Policies and Performances

CLO 5: Understand Recent Fiscal, Financial, and Trade Reforms

UNIT-I

Structural change in Indian Economy and its emerging sectors. Economic Planning in India. NITI Aayog.

The determinants of economic development- sustainable development, demographic features of Indian population. Economic Reforms in India. Liberalization, Privatization and Globalization in India.

UNIT-II

Objectives and instruments of Fiscal Policy and Monetary Policy in India, Indian Agriculture Policies and performance, Industrial policies and performance, Private and public sector- Industrial sickness, Role of Information Technology in Industrial Development.

UNIT – III

Structure and direction of foreign trade, Importance of foreign trade for developing economy, Foreign direct Investments, Official development assistance, Globalization and its impact on Indian Economy, WTO and its impact on the different sectors of the economy, World Bank and India.

Reading list:

- Dhar, P.K. (2020). Indian Economy: Its Growing Dimensions. Kalyani Publishers, New Delhi.
- Datt, G. & Mahajan, A. (2020). *Datt & Sundharams Indian Economy*. S. Chand Publishing House.
- Meier, Gerald M. (1987). Pioneers in Development. Oxford University Press, New Delhi.
- Ministry of Finance (2025). Economic Survey. Government of India.
- Mishra, S. K. & Puri, V.K. (2020). Indian Economy. Himalaya Publishing House, New Delhi.
- Rameshan P. (2008). *WTO, India and Emerging area of Trade: Challenges and Strategies*. Excel Books, New Delhi.
- Stiglitz, Joseph (2002). Globalization and its Discontents. Penguin Books, New Delhi.

AEC	Entrepreneurship
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Max. Marks: 50

Written Exam: 35 (2 Hours)

Credits: 2

Internal Assessment: 15

Note For the paper Setter

1. Five Questions will be set in all and students will be required to attempt 3 questions.
2. Question No. 1 will be compulsory and will consist of 5 short answer type questions of 3 marks spread over the entire syllabus (3x5=15 marks).
3. From the remaining four questions, students will attempt 1 out of 2 questions from each of the two units (10 marks each)

Course Learning Outcomes: After completing this course, the learner will be able to-

CLO 1: Understand the Concept of Entrepreneurship and recognize the essential traits and competencies required for successful entrepreneurship

CLO 2: Analyze the Factors Influencing Entrepreneurial Emergence and Growth

CLO 3: Evaluate the concept of Sustainable Entrepreneurship

CLO 4: Compare and contrast the entrepreneurial and managerial mindsets

UNIT-I

Entrepreneurship: Concept, Types, traits of successful entrepreneurs (along with class discussion on success stories of few Indian Entrepreneurs – Nykaa, Oyo rooms, Paytm, Ola cabs, Flipkart etc.), factors impacting emergence of entrepreneurship, stages of entrepreneurial growth and development, barriers to Entrepreneurship, Sustainable Entrepreneurship- its principles and barriers.

UNIT-II

Entrepreneurial decision-making process, Factors influencing entrepreneurial decisions, Process of setting up a new business enterprise, Government Schemes/ Programs for entrepreneurs in India in last one decade, Importance of entrepreneurs in circular economy, Role of entrepreneurship in economic development,

Reading List:

- Desai Vasant, Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House
- Jerome Katz and Richard Green, Entrepreneurial Small Business, McGraw Hill
- Jain Rajiv. Planning a Small Scale Industry. A Guide to Entrepreneurs. Delhi; S.S. Books.
- Khanka S.S., Entrepreneurship Development, S. Chand Publishing
- Kumar, S A. Entrepreneurship in Small Industry. New Delhi. Discovery.
- McClelland, D C and Winter, W G. Motivating Economic Achievement. New York; Free Press.
- Rajeev Roy, Essentials of Entrepreneurship, Oxford University Press
- Charantimath Poornima M. Entrepreneurship Development and Small Business Enterprises, Pearson Education

- Robert Hisrich and Michael Peters and Dean Shepherd, Entrepreneurship, 11th Edition, 2020
- <https://digest.myhq.in/top-10-government-schemes-for-startups-in-india/>
- <https://managemententhusiast.com/top-11-government-schemes-for-entrepreneurs-in-india-funding-benefits-and-opportunities/t>