

Dr. Harisingh Gour Viswavidyalaya, Sagar M.P.
Department of Economics
Syllabus for B.Sc. Vth and VIth Semester 2018-19

Discipline Specific Elective – I

B.Sc. Vth SEMESTER

ECO-EC-511

QUANTITATIVE METHODS-I

Credits 6 (5+1)

PREAMBLE: This course is to be offered by the students in economics. In order to understand economic problems clearly, the knowledge of quantitative techniques in the area of mathematics and statistics.

- Unit-1 Introduction to Statistics:** Definitions, Scope, Nature, Functions, Importance and Limitations of Statistics, Primary and Secondary Data, Methods of Collecting Primary Data, Sources of Secondary Data, Schedule and Questionnaire, Census and Sample Investigation: Meaning Objective and Methods of Sampling, Diagrammatic and Graphic Presentation of Data. **(18 Hours)**
- Unit-2 Central Tendency and Dispersion -** Measures of Central Tendency; Mean, Median, Mode; Measures of dispersion: Range, Inter Quartile Range, Quartile Deviation, Mean Deviation, Standard deviation, Coefficient of Variation. **(18 Hours)**
- Unit-3 Correlation and Regression -** Correlation; Definition, Types Degree, and Coefficient of correlation — Karl Pearson and Rank Correlation methods, Regression analysis – kinds, regression lines, regression equations, Least squares method. **(18 Hours)**
- Unit-4 Time Series;** Concept and components- secular trend, seasonal, cyclical and random variations. Importance of time series, measurement of long-term trend – free-hand curve, semi-average, moving average and least squares methods. **(18 Hours)**
- Unit-5 Index Numbers -** Concept, characteristics, utility and importance. Points to remember while constructing index numbers, limitations of index number. Family budget and aggregative expenditure method. Fisher's ideal index number. **(18 Hours)**

Essential Readings:

- Gupta, S.C.(1993), Fundamental of Applied Statistics, S. Chand & Sons, New Delhi.
- Nagar, A.L. and R.K. Das (1993), Basic Statistics, Oxford University Press, New Delhi.
- सिंह, एस.पी. (नवीन संस्करण) सांख्यिकी सिद्धान्त एवं व्यवहार एस. चन्द एण्ड कम्पनी लिमिटेड, नई दिल्ली – 110055
- शुक्ल एवं सहाय (नवीन संस्करण) सांख्यिकी सिद्धान्त एवं व्यवहार साहित्य भवन पब्लिशर्स, आगरा।
- प्रो. एस. एल. कोठारी परिमाणत्मक पद्धतियों मध्यप्रदेश हिन्दी ग्रन्थ अकादमी भोपाल

Suggested Readings:

- Croxton, F.E., D.J. Cowden and S. Klein (1973), Applied General Statistics, Prentice Hall, New Delhi.
- Allen, R.G.D.(1974), Mathematical Analysis for Economists, Macmillan Press and EIBS, London.
- Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book, London
- डॉ. एस. एम. शुक्ल व्यावसायिक गणित साहित्य भवन पब्लिकेशन्स आगरा।
- डॉ. सुरेश कटारिया प्रो. आर. एल. कटारिया व्यावसायिक सांख्यिकी कैलाश पुस्तक सदन, भोपाल
- डॉ. सुरेश कटारिया प्रो. आर. एल. कटारिया व्यावसायिक सांख्यिकी कैलाश पुस्तक सदन, भोपाल

Discipline Specific Elective – I
B.Sc. Vth SEMESTER

ECO- EC -512

MONEY AND BANKING

Credits 6 (5+1)

Description: This course exposes student to the theory and functioning of the monetary and financial sector of the economy. It highlights the organization, structure and role of financial markets and institutions. It also discusses interest rates, monetary management and instruments of monetary control. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

- UNIT-1 Money:** Meaning, Definition and Functions of Money, Primary and Secondary Functions, Classification and Importance of Money; Money Supply Determination (M_1, M_2, M_3, M_4); Evils of Money; Gresham's Law; Money Standards : Metallic and Paper System of Note Issue. **(18 Hours)**
- UNIT-2 Value of Money and Inflation:** Uses and limitations of Index Numbers; Quantity Theory of Money; **Inflation:** Meaning, Stages, Causes, Effects and Remedies of Inflation, Inflation and Economic Growth, Demand-Pull and Cost-Push Inflation, Measures to Control Inflation. **(18 Hours)**
- UNIT-3 Banking System:** Meaning, Definition, Importance and Types of Bank; Characteristics of Good Banking System; **Commercial Bank:** Functions of Commercial Bank, Significance of Credits Creation by Bank, Credits Creation and Multiplier, Limitations of Credits Creation. **(16 Hours)**
- UNIT-4 Central Banking:** Meaning, Definition and Functions of Central Bank, Credits Control: Objectives, Methods and Difficulties of Credits Control; Difference Between Commercial Bank and Central Bank; Role of Central Bank in Economic Development; Reforms of Banking System and Cheap Money Policy. **(18 Hours)**
- UNIT-5 Financial Markets in India:** Meaning of Interest, Causes of Difference in the Rate of Interest; Theory of Interest: Marginal Productivity Theory, Abstinence Theory and the Preference. **Money Market:** Meaning, Features and Instruments of Money Market, Characteristics of a Developed Money Market, Defects of Indian Money Market; **Capital Market:** Meaning and Instruments. **(20 Hours)**

Essential Readings:

- Sanjay M. Dandade, Money Banking & Economic Reforms, Chandralok Prakasan, Kanpur.
- Suraj B.Gupta , Monetary Economics: (Institutional, Theory and Policy), S. Chand Publishers , New Delhi.
- जे. पी. मिश्रा. समष्टि अर्थशास्त्र एवं मुद्रा और बैंकिंग साहित्य भवन पब्लिकेशन्स, आगरा
- वी. सी. सिंह. उन्नत मुद्रा व बैंकिंग. लोक भारती प्रकाशन,इलाहाबाद
- एस. एन. लाल मुद्रा, बैंकिंग तथा लोकवित्त शिव पब्लिशिंग हाउस, इलाहाबाद
- वी.सी. सिन्हा .मुद्रा, बैंकिंग एवं राजस्व. साहित्य भवन पब्लिकेशन्स, आगरा

Suggested Readings:

- Ankit Khanna , Money Banking and Public Finance, Omega Publications,2013
- Mithani, D.M., Money, Banking, International Trade & Public Finance, Himalaya publication House pvt.Ltd,2014
- Girish K. Rana ,Financial Institutions and Markets, Horizon Press, 2014

Discipline Specific Elective – I

B.Sc. Vth SEMESTER

ECO- EC -513

ECONOMIC DEVELOPMENT - I

Credits 6 (5+1)

PREAMBLE: This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post – Independence period.

- UNIT-1 Growth and Development:** Concepts of Economic Growth and Economic Development, Measurement of Economic Development: Gross National Product, Per Capita Income, Economic Welfare, Basic Needs Indicators, Physical Quality Life Index (PQLI), Human Development Index (HDI). Meaning and Characteristics of an Underdevelopment Country. **(19 Hours)**
- UNIT-2 Classical Theory of Development:** *Adam Smith Theory:* Natural Law, Division of Labour, Process of Capital Accumulation, Agents of Growth, Process of Growth and Stationary State; *Karl Marx Theory* -Surplus Value, Capital Accumulation and Capitalist Crisis; *Recardian Theory*- Assumptions, Process of Capital Accumulation and Stationary State. **(17 Hours)**
- UNIT-3 Growth Models:** *Rostow Stages of Economic Growth Theory*:-The Traditional Society, Pre-Conditions for Take-off, Take-off Stage, Drive to Maturity, and Stage of High Mass Consumption; *Myrdal Theory* - Circular Causation; *Schumpeterian Theory* - Introduction, Main Elements, and Criticisms of Theory. **(19 Hours)**
- UNIT-4 Human Capital:** Human Capital Formation-Meaning, Definitions, Essential Elements, Importance, Scope and Limitations. Effect of Population on Economic Development, Effect of Economic Development on Population, Human Resources in India: Problems and Suggestions. **(17 Hours)**
- UNIT-5 Issues in Indian Developments:** Poverty- Meaning, Causes, Suggestions and Government Program of Poverty; Disguised Unemployment, Employment Schemes and Their Impact; Urbanization- Meaning, Characteristics and Problems in India. **(18 Hours)**

Essential Readings:

- Mehrotra, S. and J. Richard (1998), Development with a Human Face; Oxford University Press, New Delhi.
- झिगन एम एल विकास का अर्थशास्त्र एवं आयोजन वृंदा पब्लिकेशन प्रा. लिमिटेड नई दिल्ली.
- सिन्हा वी. सी. आर्थिक वृद्धि एवं विकास वृंदा पब्लिकेशन प्रा. लिमिटेड मेरठ.
- पन्त जे सी भारतीय अर्थव्यवस्था साहित्य भवन वृंदा पब्लिकेशन प्रा. लिमिटेड आगरा
- दत्त एवं सुंदरम भारतीय अर्थव्यवस्था एस.चन्द एण्ड कम्पनी प्रा. लि., नई दिल्ली।
- मिश्र एवं पूरी भारतीय अर्थव्यवस्था हिमालय पब्लिकेशन्स, नई दिल्ली।

Suggested Readings:

- Michael P Todaro and Stephen Smith. Economic Development, Pearson, 11th edition (2011).
- Uma Kapila, Indian Economy since Independence, Academic Foundation, 19th edition (2009).
- United Nations Development Programme, Human Development Report 8 2010, Palgrave Macmillan (2010).
- Chenery, H. and T.N. Srinivasan (Eds.) (1989), Handbook of Development Economics, Vols. 1&2, Elsevier, Amsterdam.
- Barrow, R. and X. Sela-I, Martin, Economic Growth, McGraw Hill, New York.
- Solow, R.M. (2000), Growth Theory : An Exposition, Oxford University Press, Oxford.
- Meier, G.M. and D. Seers (Eds.) (1987), Pioneers in Development, Oxford University Press, New York.

Discipline Elective Course - II

B.Sc. VIth SEMESTER

ECO- EC -611

QUANTITATIVE METHODS-II

Credits 6 (5+1)

PREAMBLE: This course is to be offered by the students in economics. In order to understand economic problems clearly, the knowledge of quantitative techniques in the area of mathematics and statistics.

UNIT-1 Basic Concepts: Variables, Sets, Functions, Factors- Quadratic Factors and Trinomial Factors, Rules of factors Equations, Identities, Linear Equation, Quadratic Equation and Cubic Equation, (18 Hours)

UNIT -2 Function: Different Kinds of Function, Differential Calculus - Differentiation of a Function; Maxima and Minima, Use of Differentiation in Economics - Total, Marginal and Average Cost and Revenues. (18 Hours)

UNIT -3 Matrix - Definition, Arrangement, Law, Types of matrices, Determinants of Matrix, Addition, Subtract and Multiplication of Matrix, Inverse of a Matrix, Solution by Equation with Matrix, Use of Matrix in Economics. (18 Hours)

UNIT -4 Simultaneous Equations, Use of Equation in Economics; Determinants: Concept and Properties of Determinant, Multiplication of Two Determinants, Crammer's rule. Use of determinants in Economics (18 Hours)

UNIT -5 **Probability** - Probability: Concept, meaning and definition, Mathematical definition, Rules of probability (Addition and Multiplication); Conditional Probability. Permutation and Combination .Use of Permutation and combination in probability. (18 Hours)

Essential Readings:

- Gupta, S.C.(1993), Fundamental of Applied Statistics, S. Chand & Sons, New Delhi.
- Nagar, A.L. and R.K. Das (1993), Basic Statistics, Oxford University Press, New Delhi.
- सिंह, एस.पी. (नवीन संस्करण) सांख्यिकी सिद्धान्त एवं व्यवहार एस. चन्द एण्ड कम्पनी लिमिटेड, नई दिल्ली – 110055
- शुक्ल एवं सहाय (नवीन संस्करण) सांख्यिकी सिद्धान्त एवं व्यवहार साहित्य भवन पब्लिशर्स, आगरा।
- प्रो. एस. एल. कोठारी परिमाणत्मक पद्धतियों मध्यप्रदेश हिन्दी ग्रन्थ अकादमी भोपाल

Suggested Readings:

- Croxton, F.E., D.J. Cowden and S. Klein (1973), Applied General Statistics, Prentice Hall, New Delhi.
- Allen, R.G.D.(1974), Mathematical Analysis for Economists, Macmillan Press and EIBS, London.
- Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book, London
- डॉ. एस. एम. शुक्ल व्यावसायिक गणित साहित्य भवन पब्लिकेशन्स आगरा।
- डॉ. सुरेश कटारिया प्रो. आर. एल. कटारिया व्यावसायिक सांख्यिकी कैलाश पुस्तक सदन, भोपाल
- डॉ. सुरेश कटारिया प्रो. आर. एल. कटारिया व्यावसायिक सांख्यिकी कैलाश पुस्तक सदन, भोपाल

Discipline Specific Elective – II

B.Sc. VIth SEMESTER

ECO- EC -612

PUBLIC FINANCE

Credits 6 (5+1)

PREAMBLE: This course is non-technical overview of government finances with special reference to India. It will look into the efficiency and equity aspects of taxation of the centre, states and the local governments and the issues of fiscal federalism and decentralization in India. The course will be useful for students aiming towards careers in the government sector, policy analysis, business and journalism.

- UNIT -1 Introduction:** Meaning and Scope of Public Finance; Difference Between Public Finance and Private Finance; Public, Private and Merits Goods; Public Sector and Private Sector: Meaning, Objectives, Characteristics, Advantage- disadvantage. **(17 Hours)**
- UNIT -2 Public Expenditure:** Meaning, Classification and Canons of Public Expenditure; Theory of Maximum Social Advantage; Difference Between Public Expenditure and Private Expenditure; Importance of Public Expenditure in Modern time; Control of Public Expenditure; Growth of Public Expenditure and its Causes. **(15 Hours)**
- UNIT -3 Public Revenue and Taxation:** Meaning, Classification, Sources and Canons of Public Revenue, Tax Revenue and Non-Tax Revenue; Definition, Objectives and Characteristics, Types of Taxation; Classification of Taxes; Characteristics of Good Tax System; Impact and Incidence of Taxation; Capacity Meaning, Importance and Factor Determining Taxable Capacity. **(20 Hours)**
- UNIT -4 Public Debt:** Concept and Classification of Public Debt; Difference Between Public and Private Debt; Public Debt Vs Taxation; Objectives, Importance and Limitation of Public Debt; Methods of Debt Redemption; Fiscal Policy: Meaning and Objectives of Fiscal Policy. Deficit Financing. **(18 Hours)**
- UNIT -5 Financial Administration and Fiscal Federalism in India:** Budget: Meaning, Elements and Objectives of Budget; Types of Budget: Zero Based Budget, Gender Budget, Performing Budget; Central-State Finance Relations; 14th Finance Commission; Black Money in India; Meaning, Causes and Effects; Demonetization in India. **(20 Hours)**

Essential Readings:

- Bhargava, P.K. (1991), India's Fiscal Crisis, Ashish Publishing House, New Delhi.
- Datt, R.(Ed.) (2001), Second Generation Economic Reforms in India, Deep & Deep Pub., New Delhi
- वी. सी. सिंह, राजस्व. लोक भारती प्रकाशन, इलाहाबाद
- पी.डी.महेश्वरी. डॉ. शीलचन्द्र गुप्ता, लोक अर्थशास्त्र, कैलाश पुस्तक सदन, भोपाल
- वी.सी. सिन्हा, राजस्व, साहित्य भवन पब्लिकेशन्स, आगरा
- बी. एल. माथुर, भारत में लोक वित्त, साहित्य भवन पब्लिकेशन्स, आगरा

Suggested Readings:

- Jha, R. (1998), Modern Public Economics, Routledge, London.
- Mundle, S. (1999), Public Finance Policy : Issues for India, Oxford University Press, New Delhi
- Friedman, A. (1986), Welfare Economics and Social Choice Theory, Martins Nijhoff, Boston.
- Peacock, A. and G.K. Shaw (1976), The Economic Theory of Fiscal Policy, George Allen and Unwin, London.

Discipline Specific Elective – II

B.Sc. VIth SEMESTER

ECO- EC -613

ECONOMIC DEVELOPMENT - II

Credits 6 (5+1)

PREAMBLE: This course reviews major trends in aggregate economic indicators in India and places these against the backdrop of major policy debates in India in the post – Independence period.

UNIT-1 Growth Strategies: Concepts of Balance and Unbalance Growth; *Regnar Nurkse* Theory of Balance Growth; *Rosenstein- Rodans Big Push Theory* - Assumptions, Main Elements and Criticisms. *Hirschman Theory* of Unbalance Growth. (20 Hours)

UNIT-2 Capital Formation: Saving- Meaning, Sources and Problems, Capital Formation - Meaning, Importance, and Stages, Gross and Net Capital Formation, , Problems of Capital Formation In Under-Development Countries, Suggestions for Capital Formation in Under-Development Countries, Capital-Output Ratio- Meaning, Forms Importance, Factors Affecting and Limitations. (18 Hours)

UNIT-3 Foreign Collaboration :Foreign Aid- Meaning, Features, Need and Importance, Problems and Dangers of Foreign Aid, Foreign Capital-Meaning , Sources, Meaning, Roll and Challenges of Foreign Direct Investment; Multination Corporation in Indian Economy, World Trade Organization: Meaning, Objects and Function. (17 Hours)

UNIT-4 International Trade: Favorable Effects of International Trade on Economic Development, International Trade and Backwash Effect, Importance of Terms of Trade in the Development of Growth, Suggestions for Stable Terms of Trade. (17 Hours)

UNIT-5 Planning and Development: Economic Planning: Meaning, Objects and Types, Implementation of Latest Five Year Plan in India; Manpower Planning: Need, Importance and Different Aspects- Man Power Shortages, Man Power Surpluses, Strategy for Man Power, Estimating Manpower, Requirements-productivity Criterion, *Tinbergen-Correa Model*. (18 Hours)

Essential Readings:

- Mehrotra, S. and J. Richard (1998), *Development with a Human Face*; Oxford University Press, New Delhi.
- झिगन एम एल विकास का अर्थशास्त्र एवं आयोजन वृंदा पब्लिकेशन प्रा. लिमिटेड नई दिल्ली.
- सिन्हा वी. सी. आर्थिक वृद्धि एवं विकास वृंदा पब्लिकेशन प्रा. लिमिटेड मेरठ.
- पन्त जे सी भारतीय अर्थव्यवस्था साहित्य भवन वृंदा पब्लिकेशन प्रा. लिमिटेड आगरा
- दत्त एवं सुंदरम भारतीय अर्थव्यवस्था एस.चन्द एण्ड कम्पनी प्रा. लि., नई दिल्ली।
- मिश्र एवं पूरी भारतीय अर्थव्यवस्था हिमालय पब्लिकेशन्स, नई दिल्ली।

Suggested Readings:

- Michael P Todaro and Stephen Smith. *Economic Development*, Pearson, 11th edition (2011).
- Uma Kapila, *Indian Economy since Independence*, Academic Foundation, 19th edition (2009).
- United Nations Development Programme, *Human Development Report 8 2010*, Palgrave Macmillan (2010).
- Chenery, H.and T.N. Srinivasan (Eds.) (1989), *Handbook of Development Economics*, Vols. 1&2, Elsevier, Amsterdam.
- Barrow, R. and X. Sela-I, Martin, *Economic Growth*, McGraw Hill, New York.
- Solow, R.M. (2000), *Growth Theory : An Exposition*, Oxford University Press, Oxford.
- Meier, G.M. and D. Seers (Eds.) (1987), *Pioneers in Development*, Oxford University Press, New York.

Skill Enhancement Course (SEC) IV

B.Sc. VI SEMESTER

ECO- SE -611

FINANCIAL ECONOMICS - II

Credits – 2

Description: This course exposes student to the theory and functioning of the monetary and financial sector of the economy. it highlights the organization, structure and role of financial markets and institutions. Financial and banking sector reforms and monetary policy with special reference to India are also covered.

- **Banking System: Commercial Bank:** Functions of Commercial Bank, Significance of Credits Creation by Bank, Credits Creation and Multiplier, Limitations of Credits Creation.
- **Central Banking:** Meaning, Definition and Functions of Central Bank, Objectives of Credits Control, Quantitative and Qualitative Methods of Credits Control; Difference between Commercial Bank and Central Bank.
- **Money Market:** Meaning and Instruments of Money Market, Characteristics of a Developed Money Market, Defects of Indian Money Market; **Capital Market:** Meaning and Instruments.

(30 Hours)

Essential Readings:

- Suraj B.Gupta , Monetary Economics: (Institutional, Theory and Policy), S. Chand Publishers , New Delhi.
- Ankit Khanna , Money Banking and Public Finance, Omega Publications,2013
- जे. पी. मिश्रा. समष्टि अर्थशास्त्र एवं मुद्रा और बैंकिंग साहित्य भवन पब्लिकेशन्स, आगरा
- वी. सी. सिंह. उन्नत मुद्रा व बैंकिंग. लोक भारती प्रकाशन,इलाहाबाद
- एस. एन. लाल मुद्रा, बैंकिंग तथा लोकवित्त शिव पब्लिशिंग हाउस, इलाहाबाद
- वी.सी. सिन्हा .मुद्रा, बैंकिंग एवं राजस्व. साहित्य भवन पब्लिकेशन्स, आगरा

Suggested Readings:

- Mithani, D.M., Money, Banking, International Trade & Public Finance, Himalaya publication House pvt.Ltd,2014
- Sanjay M. Dandade, Money Banking & Economic Reforms, Chandralok Prakasan, Kanpur.
- Girish K. Rana ,Financial Institutions and Markets, Horizon Press, 2014
- David G. Luenberger, *Investment Science*, Oxford University Press, USA, 1997.
- . Richard A. Brealey and Stewart C. Myers, *Principles of Corporate Finance*, McGraw-Hill, 7th edition, 2002.
- Burton G. Malkiel, *A Random Walk Down Wall Street*, W.W. Norton & Company, 2003.
- Simon Benninga, *Financial Modeling*, MIT Press, USA, 1997.