



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम एम.ए.(पूर्व) अर्थशास्त्र

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

A candidate securing 60% marks or more marks in M.A. previous examination may be eligible to offer dissertation in lieu of one optional paper of M.A. final examinations.

Compulsory Paper-

1. Micro Economic Analysis
2. Quantitative methods
3. Indian Economic Policy
4. International Trade & Finance

Optional Paper-

1. Industrial Economics
2. Labour Economics
3. Demography
4. Agricultural Economics
5. Computer Application In Economic Analysis.



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

**COMPULSORY
PAPER- 1
MICRO ECONOMIC ANALYSIS**

Introduction Demand and supply analysis- Basic Economic Problem deductive and inductive methods of analysis, Elasticity of demand (price, cross, income), Elasticity of supply, Theories of demand – utility, Indifference curve (Income and substitution effects Slutsky theorem, compensated demand curve) and their application, Revealed preference theory, Revision of demand theory of Hicks, Consumer's surplus.

Theory of production, cost and revenue- Production function– Short period, and long period, law of variable proportion and returns to scale Isoquants– Least cost combination of inputs,

Economies of scale, Elasticity of substitution, Euler's theorem, Technical Progress, and Production function Cobb- Douglas, cost and revenue analysis.

Price and Output determination- Price & output determination– Perfect Competition –short run and long run, Equilibrium of the firm and industry, monopoly– Price and output equilibrium under monopoly, price discrimination, monopoly control and regulation, monopolistic competition– General and Chamberlin approaches to equilibrium and selling costs.

Oligopoly- Non-collusive (Curnot, Bertrand, Kinked demand curve) and collusive (Cartels mergers & Price leadership) Baumols sales revenue maximization model, Baines limit pricing theory

Distribution- Marginal Productivity theory of distribution, the adding up problem, Rent- Ricardian and modern theory, Theory of Interest and IS-LM Curve model Theory of wages– wage determination under perfect and imperfect conditions, Theories of profit, risk, uncertainty and innovation theory.

Welfare Economics and General Equilibrium-Pigouvian welfare economics, pareto optional condition, Social welfare function, compensation principal, theory of second best– Arrow's impossibility theorem, partial and general equilibrium, Walrasian excess demand and input output approaches to general equilibrium.



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

**COMPLSORY PAPER
PAPER– II
QUANTITATIVE METHODS**

Concept and types of production functions cob Douglas production function; programming- Basic concept; formulation of a linear programming problem its structure and variables; nature of feasible, basic and optimal solution; concept of game; strategies– simple and mixed; value of game; saddle point solution; simple applications, limitations and game theory.

Skewness- Symmetrical and asymmetrical distribution; measurement of skewness– Karl Pearson's coefficient of skewness Bowley's coefficient of skewness; meaning assumptions and limitation of simple correlation; measurement of correlation. Karl Pearson's coefficient of correlation and spearman's rank correlation, probable error and standard error in correlation; Regression analysis- regression lines regression equation, regression co-efficient, partial correlation and multiple correlation; multiple regression analysis (up to two variables) standard error of the estimates.

Interpolation and extrapolation- Methods of fitting a parabolic curve direct Bio Mail expansion method, Newton's advancing difference method and Lagrange methods, association of attributes, meaning and types of association, consistency of data association, Theory of probability- various types of events, addition and multiplication theorems conditional probability and concept of inter dependence.

Index Number– Type of index number, Fisher's Ideal Index number, Reversibility text cost of living index, Time series data Analysis– Components of time series. Short period and long period trend line; moving average least Square method.

Census and sample methods of statistical inquiry- Deliberate and random, sample, random, stratified random and P.P.S. sampling, Concept of an estimator its sampling distribution; desirable properties of an estimator; formulation of statistical hypothesis – null and alternative; goodness of fit. Confidence intervals and level of significance, hypothesis testing based on z, t, χ^2 (chi-square) and F tests, Type and Type-2 error.



शहीद नंदकुमार पटेल-विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

**COMPULSORY PAPER
PAPER– III
INDIAN ECONOMICS POLICY**

Economic development and its determinants- Approaches to economic development and its measurement sustainable development; Role of State market and other institutions, Indicators of development- PQLI, Human Development Index (HDI) gender Development indices.

Planning in India- Objectives and strategy of Planning: Failures and achievements of Plans; Developing grass- root organization for development Panchayats, NGOs and pressure groups.

Demographic features, poverty and inequality- Broad demographic features of Indian population; Rural- urban migration; Urbanization and civic annuities; poverty and Inequality.

The agricultural sector- Institution Structure– Land reforms in India; Technological change in agriculture– pricing of agriculture Input and output, Terms of trade between agriculture and Industry, Agriculture finance policy, agriculture marketing and Warehousing, issues in food security policies for sustainable agriculture

The industrial sector- Industrial policy; public sector enterprises and their performance, Problem of sick units in India; Privatization and disinvestment debate growth and pattern of industrialization

Public finances & banking- Fiscal federalism: Centre– state financial relation: Finances of central government, Finances of state government; fiscal sector reforms in India. Review of monetary policy of RBI.

External sector & economic reforms- Issues in export– import policy and FEMA. Exchange rate policy foreign capital and MNCs in India, the progress of trade reforms in India



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

COMPULSARY PAPER
PAPER- IV
INTERNATIONAL TRADE AND FINANCE

Theory of International trade- Meaning and distinguishing features of inter regional and international trade. Difference and similarities between inter regional and international trade. Smith's theory of absolute advantage, Ricardo's theory of comparative cost and Haberle's opportunity cost theory, Mill's theory of reciprocal demand, offer curve analysis.

Heckscher- Ohlin theory of international trade, factor price equalization, Stolper Samuelson and Rybozynski theorms

Measurement of gains and theory of interventions- Measurement of gains from trade and concept of trade, their limitations, Determination of terms of trade and policy implications for less developed countries; Trade as an engine of economic growth. The theory of interventions (Tariff, Quotas and non-tariff barriers) Economic effects of Tariff Quotas on national income, output, consumption, price, employment, Terms of trade and income distribution. Dumping- type, objective and effects of dumping, current incidence of dumping in India and its impact on our economy, Anti-dumping measures.

Balance of payment- Meaning and components of balance of payment (BOP), Equilibrium and disequilibrium in the B.O.P. Measures to correct the abverse BOP. Marshall- Lerner's conditions under devaluation, expenditure switching policies and direct control, Theories of Exchange Rate- Equilibrium Exchange Rate free Market theory of Exchange Rate, Concept of foreign Exchange Rate, The Purchasing Power parity theory. Balance of payments theory, Spot and forward Exchange Rates, Fixed and Flexible Exchange Rates, their Merits & demerits

International monetary system and forms of economic co-operation- Emerging international Monetary System, Reform of international Monetary System in India and developing countries, Functions, achievements and failure of WTO (TRIPS, TRIMS) UNCTAD, IMF, World Bank and Asian Development Bank, World Bank and India, European Economic Community, Rational and economic progress of SAARC and ASEAN regions.

Capital movement and trade policies in India- Theory of short term and long term capital movement and international Trade- 1port folio investment and international Trade-2, FDI & F.I.I. international Trade, Merits and Demerits of long term capital movement, Global Financial crisis and Global Recovery.

Trade problems and trade policies in India after Reforms, Recent change in the direction and composition of trade and their implications, Impact of trade reforms since 1991, instruments of export promotion, Recent import & export policies in India, problems of India's international debt.



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

**OPTIONAL
PAPER- I
INDUSTRIAL ECONOMICS**

Framework and problems of industrial economics- Concept and organization of a firm ownership, control and objectives of the firm, passive and active behavior of the firm

Market structure- Seller's concentration; Product differentiation; Entry conditions, Economics of scale; Market structure and profitability; Market structure and innovation; Theories of industrial location; Weber and Sergeant Florence Factors affecting location.

Market performance- Growth of the firm– Size and growth of a firm, Growth and profitability of the firm, Constraints on growth, Productivity, efficiency and capacity utilization– Concept and measurement, Indian situation.

Indian industrial growth and pattern- Classification of industrial; Industrial policy in India–Role of Public and private sectors, Recent trends in Indian industrial growth, MNCs and transfer of technology; Liberalization and privatization; Regional Industrial growth in India; Industrial economic concentration and re-medial measures; issues in Industrial proliferation and environmental preservation; Pollution control policies.

Industrial finance- Owned external and other components of funds; Role, nature, volume and types of institutional finance– IDBI, IFCI, SFCs, SIDC, commercial banks, etc; Financial statement– Balance sheet, Profit and loss account; assessment of financial soundness.

Project appraisal- Cost–Benefits analysis– Net Present Value (NPV) and internal rate of return (IRR) criteria– balancing private and social returns.

Industrial labour- Structure of industrial labour, Employment dimensions of Indian industry; Industrial legislation; Industrial relations; Exit policy and social security; Wages and problem of bonus–labour market reforms

Current problems of selected industries-Iron and Steel; Cotton textiles; jute; Sugar; Coal; Cement and engineering goods; Development of small–scale and cottage industries in India



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

**OPTIONAL
PAPER – II
LABOUR ECONOMICS**

Labour Market- Nature and characteristics of labour market Analysis classical, new classical, analysis of demand and supply forces, demand for labour relating to choice of technology.

Supply of labour in relation to growth of labour force, Rationalization methods of recruitment and placement, Employments revise organization in India

Employment- Employment and development relationship poverty and unemployment concept, types and measurement: particularly in India, Causes of unemployment issues relating to employment renationalization, technological change and modernization on employment in organized, private industry, public sector and employment in agriculture sector

Wage determination- Various classical, neo classical and bargaining theories of wage determination, Various concepts of minimum wages and fair living, Problem of implementation of minimum wages. Wage determination by Qctor- urban & rural. Organized and unorganized, Wages and inflation, Productivity and wage relationship. Profit sharing scheme, Causes of wage differentials in terms of firm, industry, occupation and region

Industrial Relation- Industrial Relation and trade Unions Industrialization and emergence of trade unionism, Growth, structure and pattern of trade unionism. Achievements and failures of trade union movement.

Causes of industrial disputes, Step to achieve Industrial peace, Method of settlement of industrial disputes Collective bargaining. Conciliation arbitration role of judicial activism, labour legislation in India, Indian labour law and practices in relation to international labour slandered

State and labour In India- State and social security of labour, concept of social security and its evolution social assistance, Review and appraisal of state policies with respect to social security and labour welfare in India, Special problem of labour, child labour, female labour, discrimination and gender brias in treatment of labour. Labour market reform- exit policy need for safety nets. Measures impairing, Flexibility in labour markets, Social Insurance, Second National commission of labour, globalization and labour markets.



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

**OPTIONAL
PAPER- III
DEMOGRAPHY**

Demography- Meaning, Scope and importance of demography sources of demographic data. Tools of demography analysis, measurement of population growth and population pyramid;

Theories of population- Malthus theory, Socio–culture and economic theories of populations, Biological theories of population, Theory of optimum population, Theory of demographic transition

Fertility- Meaning and definition of fertility, Measurement of fertility–child woman ratio, crude birth rate, corrected birth rate, General fertility rate, Age specific fertility rate, Total fertility rate, Gross reproduction rate, and Net reproduction rate, calculation of fertility rates, determination of fertility, Trends fertility in India.

Mortality and morbidity- Importance of mortality data, causes of death, meanings of morbidity, Differentials in mortality and morbidity, measurement of mortality crude death rate, Age-specific death rate, Infant mortality rate, Standardized death rate and maternal mortality rate, calculation of mortality rates, Trends in mortality in India, life table.

Migration and urbanization, Population projection, growth of population in India, Population and economic development, Population explosion in India, Demographic characteristics of developing countries. Population policy of India

Women Empowerment- Economics status, Women in decision making, Women and labour market, Evolution of population policy in India– The shift in policy from population control to family welfare, to women empowerment; Family planning strategies and their outcomes; The new population policy; Tasks before the National Population Commission.



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

**OPTIONAL
PAPER- IV
AGRICULTURE ECONOMICS**

Nature and scope of Agriculture economics- Traditional and Modern agriculture, role of agriculture in economic Development, Problem in rural industrialization, development of Agro– based industries, between agriculture and industry. Green revelation, Agricultural Production, Production function analysis, cost concept in agriculture product, form budgeting, Resource use and efficiency in Agricultural sector.

Land use, Principles of land utilization, land distribution, Land values and rent, Land reform measures and performance, Land tenures and farming systems, problem of marginal and small farmers. Rural Labour supply, Mobility of labour and labour market in agriculture sector, Nature of employment in rural sector Agriculture wages in India. Male- Female wage difference in agriculture.

Rural Finance- Rural Finance- role of rural capital and rural credit, Rural capital and capital formation, Characteristics and source of rural credit, Institutional and non institutional rural credit, Rural Bank. Regional Rural Banks and Rural credit Cooperative Societies. Agriculture price– Agriculture market, Behavior of agriculture price, agriculture, Markets and agriculture marketable surplus, Taxation, crop insurance, state policy and Agriculture price policy.

Agricultural Growth in India- Agricultural growth in India-recent trends, inter regional variation in growth of agriculture product, cropping pattern, factors affecting productivity, pricing of input, role of subsidies, role of technology and input of irrigation in Agricultural sector, Problem and prospects of Globalization and W.T.O. in India Agricultural commodities.

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



शहीद नंदकुमार पटेल विश्वविद्यालय रायगढ़ (छ.ग.)

पाठ्यक्रम
एम.ए.(पूर्व) अर्थशास्त्र

**OPTIONAL
PAPER- V**

COMPUTER APPLICATION IN ECONOMIC ANALYSIS

Introduction to computer and peripherals- Basic components of computer– CPU, input- device, Keyboard, Mouse and Scanner, Video Display, Printer and Plotters, Data storage and retrieval, hard disk, floppy disk and CD ROM, Types of computers and their applications, computers networking and resources sharing hardware, Software and firmware, examples and techniques in programming languages elementary Knowledge only.

Data processing, techniques and Algorithms concepts of Data, record and file- Types of data and data structure, data analysis, file handling and operations like opening, appending and cascading, closing and attribute control, data storage and retrieval, data operations algorithms like sorting, merging, joining and bifurcation database concepts and operation on database, DBMS and RDBMS.

Statistical Processing Techniques and Methods Series; tables; Graphs and Object time and frequency series; regression methods and technique regression analysis data validation, trends and cycle city forecasting system modeling and description; system equation; specification; error and correction strategies; Statistical modeling and descriptive statistic, distribution functions, regression statistics.

I.T.s application commerce, Online Banking ATN's Electronic Stock, Exchange Electronic

Trading data sharing and decimation; electronic transition; documents delivery; authentication and validation transaction; processing

I.T. Application to Commerce Electronic Trading and Marketing; On line shopping and malls, B2B, B2C, and G2B, models and their applications; Document and transaction security and digital signature, integrated transition on mobile platforms.