John Wilson Education Society's

Wilson College (Autonomous)

Chowpatty, Mumbai-400007
RE-ACCREDITED 'A' grade by NAAC

Affiliated to the
UNIVERSITY OF MUMBAI

Syllabus for F.Y

Program: BA

Program Code: <u>WAECO</u> (ECONOMICS)

Under NEP Choice Based Credit System (CBCS) with effect from

Academic year 2023-2024

PROGRAM OUTLINE 2023-2024

YEAR	SEM	COURSE CODE	COURSE TITLE	CREDITS
FY	I	WAECOMJ111 = WAECOMN111	Fundamental Principles of Microeconomics: Consumption & Production Analysis	3
	I	WAECOMJ112 = WAECOMN112	Indian Economy: Contemporary Sectoral Concerns	3
	I	WAECOSE111	Basic Statistical Tools for Economic Analysis	2
	I	WSECOOE111	Fundamentals of Demography	2

PROGRAMME SPECIFIC OUTCOME (PSOs)

A student completing a Bachelor's Degree in Arts program will be able to:

PO-1: Knowledge

Learners will be able to demonstrate comprehensive knowledge and understanding of the various disciplines in social sciences.

Learners shall be able to build a strong foundation in academics through active participation so that they would be able to address various social issues.

PO-2: Problem Solving, Critical thinking and Analytical skills

Learners shall develop competencies to solve unfamiliar problems based on the knowledge they have acquired.

PO-3: Lifelong Learning

Learners will acquire knowledge and skills necessary for participating in learning activities throughout life.

Learners would be able to foster the spirit of self-motivation within themselves and recognize their personal interests and goals.

PO-4: Communication Skills

Learners would be able to express their thoughts and ideas effectively in written and oral form.

Learners would be able to confidently present one's views/complex information in a clear and concise manner which is understandable to all.

PO-5: Cooperation/ Teamwork

Learners would be encouraged to learn from each other by working together as a team and respecting differences in opinion.

Learners would evolve into global citizens in a rapidly globalized world.

PO-6: Reflective Thinking

Learners will become more self aware so that they are reflective of both self and society.

PO-7: Environmental Consciousness and Sustainability

Learners would be able to evaluate the potentials and impact of scientific and technological innovations on the environment.

Learners would be able to unravel sustainable solutions to social problems.

PO-8: Moral and Ethical Awareness

Learners would be able to inculcate moral/ethical values in their day to day lives.

Learners shall be more aware of the unethical practices in academics and in various aspects of life.

PO-9: Research Related Skills

Learners would be encouraged to identify their areas of interest and undertake research so as to contribute to the greater good of society.

PO-10: Information/ Digital Literacy

Learners would be able to acquire the ability to use techniques, skills and modern information technology tools at their study and work place.
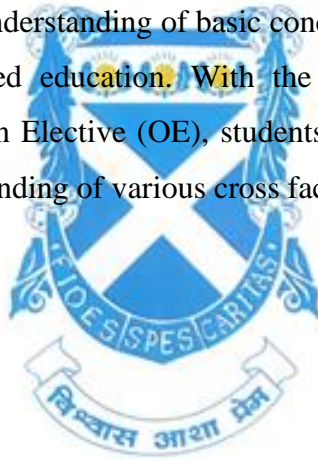
PREAMBLE

With the introduction of the Choice Based Credit System by the esteemed University from the academic year 2016-2017, the academic autonomy conferred on our institution in 2021-2022, and in keeping with the guidelines laid down by the National Education Policy (NEP) 2020, the existing syllabus of F.Y.B.A. Economics is restructured according to the CBCS system for its implementation from 2023-2024.

Keeping in mind the vision and mission of the college, the syllabus aims to provide holistic education to students so that they are well equipped with the competencies that are necessary to meet professional challenges as global citizens.

While earlier revisions of the syllabus took care of the theoretical knowledge of Economics, the present revision is related to restructuring of the syllabus as per the NEP. The present revised syllabus under NEP has laid more emphasis on the understanding of basic concepts, critical thinking, problem solving, experiential learning and value based education. With the introduction of courses namely Skill Enhancement Course (SEC) and Open Elective (OE), students will be trained with relevant skills for employment and will gain an understanding of various cross faculty courses.

PROGRAM(s): F.Y.B.A.	SEMESTER: I
Course: Fundamental Principles of Microeconomics: Consumption & Production Analysis	Course Code: WAECOMJ111 = WAECOMN111

Teaching Scheme					Evaluation Scheme
Lectures (Hours per week)	Practical (Hours per week)	Tutorial (Hours per week)	Credit	Continuous Assessment (CA)	Semester End Examination
3	N.A.	N.A.	3	40	60

Learning Objectives:

Students graduating with a BA degree in Economics will be able to:

LO-1: To understand the basic foundations of Economics which will further enable them to build up upon their specific area of interest in the field of Economics.

LO-2: To discuss the Basic Economic problems and suggest sustainable solutions.

LO-3: To understand Microeconomic Decision making from the point of view of consumers and producers.

LO-4: To analyze Microeconomic problems using Mathematical Techniques.

Course Outcomes:

After completing this course, students will be able to;

CO-1: To discuss the meaning and scope of Microeconomics

CO-2: To explain the optimization problem of a producer

CO-3: To explain the properties of indifference curves

CO-4: To apply the 10 principles of economics to real life situations

CO-5: To analyze the different types of elasticities of demand based on the nature of the goods

CO-6: To evaluate consumer's equilibrium given their budget constraints

CO-7: To plot a linear function on a graph using the slope and intercept

CO-8: To derive the cost and revenue curves necessary for understanding the market

DETAILED SYLLABUS

Unit	Sub-Unit	Course/ Unit Title	3 Credits/ 45 Lectures
I		**Introduction to Microeconomics**	10L
	1.1	Microeconomics: Meaning, Scope, Nature, Importance and Limitations	
	1.2	10 principles of Economics (in brief with examples)	
	1.3	Positive Economics and Normative Economics	
	1.4	Concepts of Equation, Functions, Graphs, Diagrams, Line, Slope (to gain an understanding of the concept of a derivative) and Intercept	
II		**Consumer Behaviour Theory**	12L
	2.1	Introduction to Cardinal and Ordinal Approaches	
	2.2	Indifference Curve Analysis - Properties of Indifference Curves (with application of Indifference curve through case studies)	
	2.3	Budget Line	
	2.4	Consumer's Equilibrium 2.4.1 Income Effect 2.4.2 Price Effect 2.4.3 Substitution Effect	

	2.5	Concepts of Price floor and Price ceiling	
	2.6	Revealed Preference concept and theory	
	2.7	Concepts of Elasticity of Demand 2.7.1 Price Elasticity of Demand 2.7.2 Income Elasticity of Demand 2.7.3 Cross Elasticity of Demand 2.7.4 Promotional Elasticity of Demand	
	2.8	Consumer's Surplus	
III		**Theory of Production**	**12L**
	3.1	Concept of Production and types of Production functions	
	3.2	Cobb Douglas production function	
	3.3	Law of Variable Proportions	
	3.4	Concepts of Isoquants, Iso-cost lines and producer's equilibrium	
	3.5	Returns to Scale: Economies and Diseconomies of Scale	
	3.6	Types of Production functions (Cobb Douglas with applications of CRS, IRS, DRS)	
	3.7	Producer's surplus	
	3.8	Concept of Elasticity of Supply	
IV		**Cost & Revenue Analysis**	**11L**
	4.1	Cost analysis-Various concepts of costs and their inter-relationships (Average, Marginal and Total Cost), mathematical treatment	
	4.2	Interrelationship between production and cost	
	4.3	Derivation of Short Run and Long Run Cost Curves	

	4.4	Revenue analysis- Concepts of Revenue: and Interrelationship and mathematical treatment	

References:

1. A. Koutsoyainnis, Modern Microeconomics, 2nd edition, Palgrave Macmillan (2015).
2. H. L. Ahuja, Advanced Economic Theory, 21st edition, S.Chand Publishing (2019).
3. M.L.Jhingan, Microeconomic Theory, 5th edition, Vrinda Publication (P) Ltd (2006).
4. N.Gregory Mankiw, Principles of Microeconomics, 7th edition, Cengage Learning (2015).
5. Salvator D, Microeconomics Theory and Applications, Oxford University press, New Delhi (2003).
6. Samuelson Paul and W. Nordhaus, Economics, 19th Edition, McGrawHill Publications (2009).
7. Sen Anindya, Microeconomics Theory and Applications, Oxford University press, New Delhi (2007).

PROGRAM(s): F.Y.B.A.	SEMESTER: I
Course: Indian Economy: Contemporary Sectoral Concerns	Course Code: WAECOMJ112 = WAECOMN112

Teaching Scheme					Evaluation Scheme
Lectures (Hours per week)	Practical (Hours per week)	Tutorial (Hours per week)	Credit	Continuous Assessment (CA)	Semester End Examination
3	N.A.	N.A.	3	40	60

Learning Objectives:

Students graduating with a BA degree in Economics will be able to:

LO-1: To examine the Indian Economy by analyzing the various contemporary issues and policies.

LO-2: To discuss the recent policies pertaining to agriculture.

LO-3: To judge the recent policies and programs for Industrial development.

LO-4: To discuss the growth and performance of the Service sector in India and recent developments in the service sector.

Course Outcomes:

After completing this course, students will be able to;

CO-1: To examine the macroeconomic problems in the Indian Economy

CO-2: To discuss the contemporary issues and policies in the Indian Economy

CO-3: To explain the sectoral trends in the Indian Economy

CO-4: To analyse the post covid impact on the different sectors in the Indian Economy

CO-5: To critically evaluate the government schemes aimed at solving the Indian economic problems

CO-6: To critically analyse the need for food security in India

DETAILED SYLLABUS

Unit	Sub-Unit	Course/ Unit Title	Credits 3/ 45 Lectures
I		**Growth and Distribution**	**11L**
	1.1	Problems of Poverty, Inequality, and Unemployment in the Indian context	
	1.2	Trends and Causes of Poverty, Inequality, and Unemployment in India	
	1.3	Policy measures to eradicate Poverty, Inequality, and Unemployment in India	
II		**Policies and Performance in Agricultural Sector**	**11L**
	2.1	Role of Agriculture; Issues in Indian Agricultural sector	
	2.2	Green Revolution; Agricultural Finance and Marketing; Agricultural Pricing Policy	
	2.3	Food Security in India	
III		**Policies and Performance in Industrial Sector**	**12L**
	3.1	New Industrial Policy 1991	
	3.2	Public Sector in Indian Economy; Privatization and Disinvestment in India; MSMEs	
	3.3	Post Covid 19 measures	
IV		**Services Sector in India**	**11L**
	4.1	Reasons for rapid growth; IT and ITES Industry	

	4.2	Health and Education	
	4.3	Foreign Trade Service	

References:

1)AshwiniMahajan,GauravDatt,(2018)'IndianEconomy',S.ChandandCompany,New Delhi.
2)Brahmananda,P.R.andV.R.Panchmukhi(Eds.),(2001),'DevelopmentExperienceinthe IndianEconomy:Inter-StatePerspectives',Bookwell,NewDelhi.
3)Datt,RuddraandK.P.M,Sundaram,(2017),'IndianEconomy',S.Chand&Company Ltd.,NewDelhi.
4)Misra,S.K.andV.K.Puri,(2018)'IndianEconomy',HimalayaPublishingHouse, Mumbai.
5)GauravDattandAshwaniMahajan,(2016)'IndianEconomy',SChandPublishing House,NewDelhi. 6)UmaKapila,(2018),'IndianEconomy:PerformanceandPolicies,2018-19',Academic Foundation,NewDelhi.
7)IndianEconomicSurvey,GovernmentofIndia(LatestDocument).

Modality of Assessment

Theory Examination Pattern:

A. **Internal Assessment- 40%**

Sr. No.	Evaluation Type	Marks
1	**Tests, Essays, Articles, Case Studies, Home Assignments, Group Assignments***	**40**
	Total	**40**

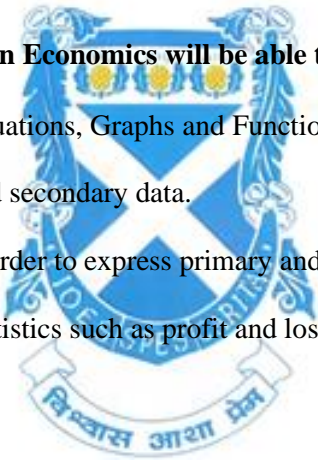*****Method of assessment will be at the discretion of the department.

B. **External Examination- 60%- 60 Marks per paper**

Semester End Theory Examination:

1. Duration - These examinations shall be of **two hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15 marks** one on each unit.
   b. All questions shall be compulsory with internal choice within the questions.

Paper Pattern:

Question	Options	Marks	Questions Based on
Q1.	Any 2 out of 3	15 marks	Unit I
Q2.	Any 2 out of 3	15 marks	Unit II
Q3.	Any 2 out of 3	15 marks	Unit III
Q4.	Any 2 out of 3	15 marks	Unit IV
	TOTAL	**60**	

PROGRAM(s): F.Y.B.A.	SEMESTER: I
Course: Basic Statistical Tools for Economic Analysis	Course Code: WAECOSE111

Teaching Scheme					Evaluation Scheme
Lectures (Hours per week)	Practical (Hours per week)	Tutorial (Hours per week)	Credit	Continuous Assessment (CA)	Semester End Examination
2	N.A.	N.A.	2	N.A.	60

Learning Objectives:

Students graduating with a BA degree in Economics will be able to:

LO-1: To acquire basic knowledge of Equations, Graphs and Functions of statistical economics.

LO-2: To collect and analyse primary and secondary data.

LO-3: To construct tables and graphs in order to express primary and secondary data meaningfully.

LO-4: To solve problems on financial statistics such as profit and loss, simple and compound interest and growth and depreciation.

Course Outcomes:

After completing this course, students will be able to;

CO-1: To discuss the characteristics, functions and limitations of statistics

CO-2: To formulate linear and quadratic equations

CO-3: To distinguish between primary and secondary sources of data

CO-4: To enlist the elements of a set using set builder and roster form

CO-5: To solve problems on financial statistics such as profit and loss, simple and compound interest and growth and depreciation

CO-6: To construct tables, graphs and pie charts from the available data

DETAILED SYLLABUS

Unit	Sub-Unit	Course/ Unit Title	Credits 2/ 30 Lectures
I		**Sets, Equations, Graphs and Functions**	10L
	1.1	Set Theory: Introduction to set theory and basic concepts of sets	
	1.2	Equations and Graphs: Cartesian Coordinate System, Linear equations and Graphs, Slopes, Intercept, Equation of a Straight-Line	
	1.3	Functions: Concepts, Graphing Functions (Linear and Quadratic equations), Solving Quadratic equations.	
II		**Introduction to Statistics, Collection, Classification, and Presentation of Data**	10L
	2.1	Statistics: Characteristics of Statistics as Data, Functions, Limitations and Uses of Statistics.	
	2.2	Data sources: Primary and Secondary sources—Methods of Sampling-Classifications and Tabulation Frequency distribution (Univariate data): Discrete and Continuous data	
	2.3	Graphical representation: Bar diagram, Histogram, Pie chart, Frequency Polygon Frequency Curve.	
III		**Financial Statistics**	10L
	3.1	Profit, Loss and Discount	
	3.2	Simple and Compound Interest; Present and Future Value	

	3.3	Growth and Depreciation	

References:

1. Dowling E. D, Schaum's Outline of Calculus for Business, Economics and the Social Sciences, Mcgraw-Hill, 2020.
2. Gupta S.C, Kapoor V. K, Fundamentals of Mathematical Statistics, Sultan Chand & Sons, New Delhi, 2020.
3. Gun A.M, Gupta M.K, Dasgupta B, Fundamentals of Statistics, World Press Publications, 2016.
4. Gupta S.P.: Statistical Methods, S. Chand & Sons, New Delhi, 2012.
5. Sancheti, D. C and V.K. Kapoor: Statistics: Theory, Methods and Applications, Sultan Chand & Sons, New Delhi, 2007
6. Aggarwal S.C, Rana R.K, Basic Mathematics for Economists, V K Publications, 2008.

Modality of Assessment

External Examination- 60%- 60 Marks per paper

Semester End Theory Examination:

1. Duration - These examinations shall be of **two hours** duration.
2. Theory question paper pattern:
   a. There shall be **three** questions each of **20 marks** one on each unit.
   b. All questions shall be compulsory with internal choice within the questions.

Paper Pattern:

Question	Options	Marks	Questions Based on
Q1.	Any 2 out of 3	20 marks	Unit I
Q2.	Any 2 out of 3	20 marks	Unit II
Q3.	Any 2 out of 3	20 marks	Unit III
	TOTAL	**60**	

PROGRAM(s): F.Y.B.A.			SEMESTER: I		
Course: Fundamentals of Demography			Course Code: WSECOOE111		
Teaching Scheme					Evaluation Scheme
Lectures (Hours per week)	Practical (Hours per week)	Tutorial (Hours per week)	Credit	Continuous Assessment (CA)	Semester End Examination
2	N.A.	N.A.	2	60	N.A.

Learning Objectives:

Students graduating with a BA degree in Economics will be able to:

LO-1: To understand the relationship between population and economic development.

LO-2: To discuss the basic demographic problems and suggest sustainable solutions.

LO-3: To comprehend the difference between nuptiality and fertility.

LO-4: To analyze critically the theories of population growth.

Course Outcomes:

After completing this course, students will be able to;

CO-1: To examine the relationship between population and economic development

CO-2: To differentiate between demography and population studies

CO-3: To define the features of the Indian Census of 2011

CO-4: To analyse the demographic data of Indian families

CO-5: To appraise the trends of population growth in developed and developing countries

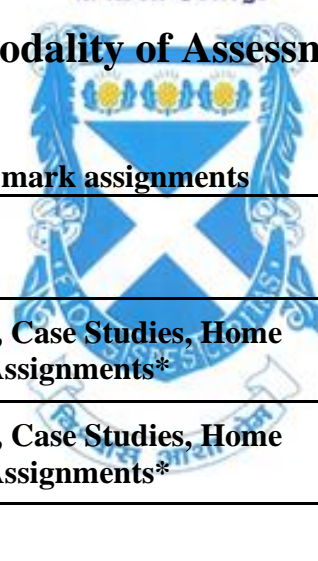**CO-6:** To critically analyse the different population theories

DETAILED SYLLABUS

Unit	Sub-Unit	Course/ Unit Title	Credits 2/ 30 Lectures
I		**Introduction to Fundamentals to Demography**	10L
	1.1	Relationship between Population and Economic Development and Population and the natural Environment.	
	1.2	Difference between Demography and Population Studies; Sources of demographic data in developed and developing countries.	
	1.3	NSSO and NFHS Data; Features of Indian Census (especially the 2011 Census).	
II		**Nuptiality and Fertility**	10L
	2.1	Nuptiality: Basic concepts of Nuptiality, age at marriage and factors affecting nuptiality; Analysis of Marital Status Data.	
	2.2	Fertility: Concept and factors affecting fertility; Measures related to fertility; Crude Birth Rate (CBR), Standardized birth rates (SBR).	
	2.3	Analysis of the Indian Family Demographic Data.	
III		**Theories of Population**	10L
	3.1	Population Theories: The Malthusian Theory of Population, The Optimum Theory of Population, Theory of Demographic Transition.	

	3.2	Salient Demographic Traits: Age and Sex composition of the population; Age pyramids and Ageing Population, Sex composition issues.	
	3.3	Trends in population growth: Developed Vs. Developing Countries.	

References:
1. A.K. P.C. Swain (2008) - 'Population Studies' - Kalyani Publications, Ludhiana.
2. Agarwal S.S. (1985) - 'India's Population Problem' - Tata McGraw Hill Publication, Bombay.
3. Bhende A.A. & Tara Kanitkar (1982) - 'Principles of Population Studies' - Himalaya Publishing House, Bombay.
4. Dr. D.D.Kachole (2001) - 'Demography' - Kailasha Publication, Aurangabad.
5. Hans Raj (1984) - 'Fundamentals of Demography - Surjeet Publication, Delhi.
6. M.L. Jhingan, B.K Bhatt, J.N Desai (2016), Demography, 3rd Edition, Vrinda Publications PLT-Delhi.

Modality of Assessment

Internal Assessment- 60%, Two 30 mark assignments

Sr. No.	Evaluation Type	Marks
1	**Tests, Essays, Articles, Case Studies, Home Assignments, Group Assignments***	**30**
2	**Tests, Essays, Articles, Case Studies, Home Assignments, Group Assignments***	**30**
	Total	**60**

*Method of assessment will be at the discretion of the department.

PROGRAM OUTLINE 2023-2024

YEAR	SEM	COURSE CODE	COURSE TITLE	CREDITS
FY	II	WAECOMJ121 = WAECOMN121	**Fundamental Principles of Microeconomics: Market Structures & Pricing**	3
	II	WAECOMJ122 = WAECOMN122	**Indian Economy: Macroeconomic Policies & Prospects**	3
	II	WAECOSE121	**Descriptive Statistics for Economic Analysis**	2
	II	WSECOOE121	**Population & Health Studies**	2

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PROGRAM(s): F.Y.B.A.	SEMESTER: II
Course: Fundamental Principles of Microeconomics: Market Structures & Pricing	**Course Code:** WAECOMJ121 = WAECOMN121

Teaching Scheme					Evaluation Scheme
Lectures (Hours per week)	**Practical (Hours per week)**	**Tutorial (Hours per week)**	**Credit**	**Continuous Assessment (CA) (Marks- 40)**	**Semester End Examination (Marks- 60)**
3	N.A.	N.A.	3	40	60

Learning Objectives:

Students graduating with a BA degree in Economics will be able to:

LO-1: To describe the decision-making process of a firm through a recognition of the basic concepts related to production.

LO-2: To be able to apply the preliminary knowledge of supply side economics so as to understand the different market structures prevailing in the economy.

LO-3: To explain how competitive markets organize the allocation of scarce resources and the distribution of goods and services.

LO-4: To distinguish between the different types of market structures.

Course Outcomes:

After completing this course, students will be able to;

CO-1: To examine the various objectives of a firm

CO-2: To discuss the characteristics of the different market structures

CO-3: To explain the price and output determination under the different market structures

CO-4: To analyse the pricing mechanisms under the different market structures

CO-5: To analyse case studies related to the different market structures

CO-6: To calculate the revenue and costs under the different market structures

DETAILED SYLLABUS

Unit	Sub-Unit	Course/ Unit Title	3 Credits/ 45 Lectures
I		**Objectives of the firm**	10L
	1.1	Objectives of the firm (Profit Sales & Growth Maximization)	
	1.2	Break even analysis	
	1.3	Pricing methods (Marginal Cost, Full Cost and Transfer pricing with case studies)	
	1.4	Concept of a market and types of markets	
	1.5	Concept of a firm and industry	
	1.6	Equilibrium of a firm: TR - TC approach and MR - MC approach	
II		**Perfect Competition**	11L
	2.1	Perfect Competition: meaning and features	
	2.2	Short-run and long-run equilibrium of a firm and industry	
	2.3	Price determination and profit maximization in the short run and long run	
III		**Monopoly**	11L
	3.1	Features of Monopoly	
	3.2	Sources of monopoly	
	3.3	Short run and long run equilibrium of a monopoly firm	

	3.4	Degrees of Price Discrimination, Dumping (it's effect on the international market)	
	3.5	Understanding the difference between monopoly, duopoly and oligopoly	
IV		**Monopolistic Competition**	**13L**
	4.1	Features of Monopolistic competition	
	4.2	Price & output decisions under Monopolistic Competition (short and long run equilibrium)	
	4.3	Chamberlin's Alternative Approach	
	4.4	Product differentiation and Selling cost	
	4.5	Wastages under monopolistic competition	
	4.6	Difference between Perfect and Imperfect Competition	
	4.7	Case studies	

References:

1. A. Koutsoyainnis, Modern Microeconomics, 2nd edition, Palgrave Macmillan (2015).
2. H. L. Ahuja, Advanced Economic Theory, 21st edition, S.Chand Publishing (2019).
3. M.L.Jhingan, Microeconomic Theory, 5th edition, Vrinda Publication (P) Ltd (2006).
4. N.Gregory Mankiw, Principles of Microeconomics, 7th edition, Cengage Learning (2015).
5. Samuelson Paul and W. Nordhaus, Economics, 19th Edition, McGrawHill Publications (2009).
6. Sen Anindya, Microeconomics Theory and Applications, Oxford University press, New Delhi (2007).

PROGRAM(s): F.Y.B.A.	SEMESTER: II
Course: Indian Economy: Macroeconomic Policies & Prospects	**Course Code:** WAECOMJ122 = WAECOMN122

Teaching Scheme					Evaluation Scheme
Lectures (Hours per week)	**Practical (Hours per week)**	**Tutorial (Hours per week)**	**Credit**	**Continuous Assessment (CA) (Marks-40)**	**Semester End Examination (Marks-60)**
3	N.A.	N.A.	3	40	60

Learning Objectives:

Students graduating with a BA degree in Economics will be able to:

LO-1: To understand the Macroeconomic Policies and Prospects from the point of view of the Indian Economy.

LO-2: To discuss the trends of Public Expenditure and Public Debt and suggest the measures to solve them.

LO-3: To analyze India's Trade policies and its impact on the Indian Economy.

LO-4: To acquire basic knowledge of the role of the RBI and its monetary policy measures.

Course Outcomes:

After completing this course, students will be able to;

CO-1: To discuss the characteristics of the Indian tax structure

CO-2: To elaborate on the roles and responsibilities of the Finance Commission of India

CO-3: To examine the role of monetary policy in India

CO-4: To critically analyse the measures to control inflation in India

CO-5: To analyse the shifts in the trade policy of India since 1991

CO-6: To appraise the impact of globalization on the Indian economy

DETAILED SYLLABUS

Unit	Sub-Unit	Course/ Unit Title	Credits 3/ 45 Lectures
I		**Fiscal Policy**	**11L**
	1.1	Indian Tax structure	
	1.2	Public Expenditure in India; Public Debt in India	
	1.3	Union Budget of India; Indian Economic Survey; Concepts of Deficits	
II		**Federal Finance in India**	**11L**
	2.1	Fiscal Imbalance and FRBM Act	
	2.2	Finance Commission	
	2.3	73rd and 74th Amendments	
III		**Monetary Policy in India**	**12L**
	3.1	Role of RBI	
	3.2	Monetary Policy instruments: Qualitative and Quantitative	
	3.3	Measures to control inflation and review reports; types of Inflation; Inflation Targeting; Recent developments	
IV		**Foreign Trade Policy**	**11L**
	4.1	Growth and Structure of India's Foreign Trade since 1991	
	4.2	Trade Policy of India; FERA and FEMA	
	4.3	Globalization and its impact on India	

References:

1. AshwiniMahajan,GauravDatt,(2018)'IndianEconomy',S.ChandandCompany,New Delhi.

2.Brahmananda,P.R.andV.R.Panchmukhi(Eds.),(2001),'DevelopmentExperienceinthe IndianEconomy:Inter-StatePerspectives',Bookwell,NewDelhi.

3.Datt,RuddraandK.P.M,Sundaram,(2017),'IndianEconomy',S.Chand&Company Ltd.,NewDelhi.

4.Misra,S.K.andV.K.Puri,(2018)'IndianEconomy',HimalayaPublishingHouse, Mumbai.

5.GauravDattandAshwaniMahajan,(2016)'IndianEconomy',SChandPublishing House,NewDelhi.

6.UmaKapila,(2018),'IndianEconomy:PerformanceandPolicies,2018-19',Academic Foundation,NewDelhi.

7. IndianEconomicSurvey,GovernmentofIndia(LatestDocument).

Modality of Assessment

Theory Examination Pattern:

A. **Internal Assessment- 40%**

Sr. No.	Evaluation Type	Marks
1	**Tests, Essays, Articles, Case Studies, Home Assignments, Group Assignments***	**40**
	Total	**40**

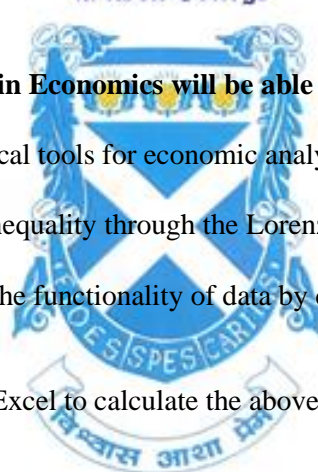*****Method of assessment will be at the discretion of the department.

B. **External Examination- 60%- 60 Marks per paper**

Semester End Theory Examination:

1. Duration - These examinations shall be of **two hours** duration.
2. Theory question paper pattern:
   a. There shall be **four** questions each of **15 marks** one on each unit.
   b. All questions shall be compulsory with internal choice within the questions.

Paper Pattern:

Question	Options	Marks	Questions Based on
Q1.	Any 2 out of 3	15 marks	Unit I
Q2.	Any 2 out of 3	15 marks	Unit II
Q3.	Any 2 out of 3	15 marks	Unit III
Q4.	Any 2 out of 3	15 marks	Unit IV
	TOTAL	**60**	

PROGRAM(s): F.Y.B.A.	**SEMESTER: II**
Course: **Descriptive** **Statistics for** **Economic Analysis**	**Course Code: WAECOSE121**

Teaching Scheme					**Evaluation Scheme**
Lectures (Hours per week)	**Practical (Hours per week)**	**Tutorial (Hours per week)**	**Credit**	**Continuous Assessment (CA) (Marks-40)**	**Semester End Examination (Marks- 60)**
2	**N.A.**	**N.A.**	**2**	**N.A.**	**60**

Learning Objectives:

Students graduating with a BA degree in Economics will be able to:

LO-1: To employ the higher level statistical tools for economic analysis.

LO-2: To explain the notion of income inequality through the Lorenz Curve and Gini Coefficient.

LO-3: To utilize Regression to interpret the functionality of data by constructing linear equations.

LO-4: Use the Scientific Calculator and Excel to calculate the above statistical measurements.

Course Outcomes:

After completing this course, students will be able to;

CO-1: To discuss the qualities of a good measure of central tendency

CO-2: To identify the differences between independent variables and dependent variables

CO-3: To locate the median/mode graphically

CO-4: To solve sums on measures of central tendency

CO-5: To solve sums on measures of dispersion

CO-6: To solve sums on correlation

DETAILED SYLLABUS

Unit	Sub-Unit	Course/ Unit Title	Credits 2/ 30 Lectures
I		**Measures of Central Tendency**	**10L**
	1.1	Introduction: Objectives of measuring central tendency, Qualities of a good measure of central tendency.	
	1.2	The Mathematical Average: Arithmetic Mean for raw, grouped, and continuous data. Merits and Demerits of Arithmetic Mean.	
	1.3	The Positional Averages: Median and Mode for raw, grouped, and continuous data. Merits and Demerits of Median and Mode, graphical location of Median and Mode.	
II		**Measures of Dispersion**	**10L**
	2.1	Objectives of measuring dispersion, Qualities of a good measure of Dispersion.	
	2.2	Algebraic (Absolute and Relative) Measures of Dispersion: Range, Quartile Deviation, Mean Absolute Deviation and Standard Deviation.	
	2.3	Lorenz Curve and Gini Coefficient.	
III		**Correlation and Regression**	**10L**
	3.1	Correlation: Conceptualization, Measuring correlation using the Karl Pearson and the Spearman Correlation methods.	
	3.2	Regression: Conceptualization, construction of linear equations	

	3.3	Using the Coefficient of Determination to evaluate the Goodness of Fit of the independent variable as an explanator.	

References:

1. Dowling E. D, Schaum's Outline of Calculus for Business, Economics and the Social Sciences, Mcgraw-Hill, 2020.

2. Gupta S.C, Kapoor V. K, Fundamentals of Mathematical Statistics, Sultan Chand & Sons, New Delhi, 2020.

3. Gun A.M, Gupta M.K, Dasgupta B, Fundamentals of Statistics, World Press Publications, 2016.

4. Gupta S.P.: Statistical Methods, S. Chand & Sons, New Delhi, 2012.

5. Sancheti, D. C and V.K. Kapoor: Statistics: Theory, Methods and Applications, Sultan Chand & Sons, New Delhi, 2007

6. Aggarwal S.C, Rana R.K, Basic Mathematics for Economists, V K Publications, 2008.

Modality of Assessment

External Examination- 60%- 60 Marks per paper

Semester End Theory Examination:

1. Duration - These examinations shall be of **two hours** duration.
2. Theory question paper pattern:
   a. There shall be **three** questions each of **20 marks** one on each unit.
   b. All questions shall be compulsory with internal choice within the questions.

Paper Pattern:

Question	Options	Marks	Questions Based on
Q1.	Any 2 out of 3	20 marks	Unit I
Q2.	Any 2 out of 3	20 marks	Unit II
Q3.	Any 2 out of 3	20 marks	Unit III
	TOTAL	**60**	

PROGRAM(s): F.Y.B.A.		SEMESTER: II			
Course: Population and Health Studies		Course Code: WSECOOE121			
Teaching Scheme					Evaluation Scheme
Lectures (Hours per week)	Practical (Hours per week)	Tutorial (Hours per week)	Credit	Continuous Assessment (CA) (Marks-40)	Semester End Examination (Marks- 60)
2	N.A.	N.A.	2	60	N.A.

Learning Objectives:

Students graduating with a BA degree in Economics will be able to:

LO-1: To understand the concept of mortality and the importance of life tables.

LO-2: To evaluate the costs of increased urbanization.

LO-3: To appraise India's shift from population control to family welfare and women empowerment.

LO-4: To analyze restrictive and incentive-driven child policies, through global studies.

Course Outcomes:

After completing this course, students will be able to;

CO-1: To define the concept of mortality and factors affecting mortality in India

CO-2: To enlist the push and pull factors of migration

CO-3: To discuss the trends of urbanization in India

CO-4: To appraise the use of life tables

CO-5: To appraise the importance of family planning

CO-6: To compare population policies in developed and developing countries

DETAILED SYLLABUS

Unit	Sub-Unit	Course/ Unit Title	Credits 2/ 30 Lectures
I		**Mortality**	**10L**
	1.1	Morbidity: Conceptualization and Analysis.	
	1.2	Mortality: Concept and factors affecting Infant, Child and Maternal mortality rates; Measures related to Mortality - Crude Death Rate and Standardized Death Rate.	
	1.3	Life Tables: Concepts, Types, Uses, Methods of construction; Differentials and Determinants of Mortality.	
II		**Migration and Urbanization**	**10L**
	2.1	Migration: Concept and types; Factors affecting migration, Issues related to migration.	
	2.2	Critical analysis of the Harris - Todaro model of Migration.	
	2.3	Urbanization in India: Trends and patterns; problems associated with urbanization (poverty, food supply, water, sanitation, housing, slum areas, employment, health, education, transport, environment)	
III		**Population Policy**	**10L**
	3.1	Family Planning: Meaning, importance and methods; India's population policy.	
	3.2	Shifts in India's Population Policy: From population control to family welfare to women empowerment; Towards recognizing the girl child (*Beti Bachao - Beti*	

		Padhao, Mid-day meal scheme, *Sukanya Samriddhi* Account)	
	3.3	Comparative Population Studies: Restrictive Child Policies (China, Vietnam) and Incentive-driven Child Policies (Turkey, Sweden)	

References:

1. A.K. P.C. Swain (2008) - 'Population Studies' - Kalyani Publications, Ludhiana.
2. Agarwal S.S. (1985) - 'India's Population Problem' - Tata McGraw Hill Publication, Bombay.
3. Bhende A.A. & Tara Kanitkar (1982) - 'Principles of Population Studies' - Himalaya Publishing House, Bombay.
4. Dr. D.D.Kachole (2001) - 'Demography' - Kailasha Publication, Aurangabad.
5. Hans Raj (1984) - 'Fundamentals of Demography' - Surjeet Publication, Delhi.
6. M.L. Jhingan, B.K Bhatt, J.N Desai (2016), Demography, 3rd Edition, Vrinda Publications PLT-Delhi.

Modality of Assessment

Internal Assessment- 60%, Two 30 mark assignments

Sr. No.	Evaluation Type	Marks
1	**Tests, Essays, Articles, Case Studies, Home Assignments, Group Assignments***	**30**
2	**Tests, Essays, Articles, Case Studies, Home Assignments, Group Assignments***	**30**
	Total	**60**

*Method of assessment will be at the discretion of the department.