R.M.P.S. STATE UNIVERSITY, ALIGARH



SYLLABUS FOR M.A. ECONOMICS

As per the guidelines of National Education Policy 2020 for The Semester Seventh to Semester Tenth

Bachelor Degree with Research / M.A. ECONOMICS

Syllabus for Four Semester Two Year

Raja Mahindra Pratap Singh State University, Aligarh

Syllabus of Post-Graduation (Economics)

Supervising and Advisory Committee for preparing syllabus for Raja Mahendra Pratap State University, Aligarh

S.N.	Name	Designation	Department	College/University
1.	Dr. Dr Munendra Singh Chandwaria (Convenor)	Associate Professor	Dept. of Economics	K .A .College , Kasganj.
2.	Professor Indu Varshney (Member)	Professor	Principal/Economics	Shri Rameshwar Das Agarwal Girls P G College, Hathras.
3.	Professor Md Mahmood Alam (Member)	Professor	Dept. of Economics	D. S College , Aligarh.
4.	Prof. Sheo Kumar Singh, Shri Varshney College, Aligarh. (Member)	Professor	Dept. of Economics	Shri Varshney College, Aligar
5.	Dr. Neeraj Kumar Mishra (Member)	Associate Professor	Dept. of Economics	Ganjdundwara College, Kasgar j.
6.	Dr Krishna Bajpai (Member)	Associate Professor	Dept. of Economics	Shri Tika Ram Girls College, Aligarh.
7.	Prof Umme Kulsoom (Member)	Professor	Dept. of Economics	Shri Tika Ram Girls College, Aligarh.
8.	Prof M K Singh (Expert)	Professor	Dept. of Economics	MJPRU, Bareilly.
9.	Prof Dinesh Kumar (Expert)	Professor	Dept. of Economics	CCSU, Meerut.

Semester wise titles of the papers in 4^{th} and 5^{th} Year Bachelor Degree with Research and M. A. Economics.

Year	Sem este	Cours	Paper Title	Theory/ Pract ical	Credits
	r	Code		Truct icui	
			SEMESTER VII – COMPULSORY PAPERS	Theory	5/4
4	VII	A080701T	P1- Indian Economy. Major/ Minor (For Students of other Faculty)		
4	VII	A080702T	P2- Microeconomics-1	Theory	5
4	VII	A080703T	P3-Public Finance -I	Theory	5
			OPTIONAL PAPER- Any one from the Following Three Papers (Electives)	5	
4	VII		P4-Research Methodology OR P5- Demography OR	Theory	5
		A080706T	P6-Agricultural Economics		
4	VII	A080707T	P7- Minor (From other Faculty)	Theory	4
4	VII	A080708R	P8-Research Project.	Research Project	4
			SEMESTER VIII- COMPULSORY PAPERS	Theory	5
4	VIII	A080801T	P9Microeconomics-II		
4	VIII	A080802T	P10- Public Finance(India)-II	Theory	5
4	VIII	A080803T	P11- Elementary Statistics.	Theory	5

			OPTIONAL PAPER -Any one paper from the		
			following two papaers (Electives)		
			P12-Labour Economics	Theory	5
		A080804T		The cours	_
4	VIII		OR	Theory	5
	V 111	A080805T		Theory	5
			P13- History of Economic Thought		
4	X / I I I	4.00000CD		D 1-	4
4	VIII	AU8U8U6R	P14-Reserarch Project	Research Project	4
			SEMESTER IX – COMPULSORY PAPERS	Theory	5
5	IX	A080901T	P15- Macroeconomics-I		
5	IX	A080902T	P16-International Economics-I	Theory	5
	137	A 000002TF			
5	IX	A080903T	P17-Economics of Growth and Development- I		
5			OPTIONAL PAPER -Any One Paper From the		
			Following 03 Papers (Electives)		
				Theory	5
		A080904T	P18- Financial Institution's and Markets.	Theory	5
	IX	A080905T	OR P19- Mathematical Economics	Theory	3
			OR		
		A080906T	P20-Environmental Economics	Theory	5
5	IX	A080907R	P21-Research Project	Research	4
				Project	

			SEMESTER X- COMPULSORY PAPERS	Theory	5
5	X	A081001T			
	21	710010011	P22-Macroeconomics-II		
5	X	A081002T	P23-International Economics-II	Theory	5
5	X	A081003T	P24-Economics of Growth and Development-II	Theory	5
5			OPTIONAL PAPERS-Any One From The		
	X		Following 03 Papers (Electives)	Theory	5
		A081003T	P25- Advance Statistics OR		
		A081004T	P26-Econometrics. OR		
		A081005T	P27-Industrial Economics		
5	X	A081007R	P28-Research Project	Research Project	4

Progra	nm/Class:	Vear	Fourth	So	emester: Seven
Bachel	lor Degree	rear.	1 Our til		
with Re	esearch and				
M.A. E	Economics				
		Sub	ject:		
Economics					
Course Code: Course Ti			e: P I – I	ndian Econom	y
A080701T	ı				
	Credits:			Core Comp	ulcory
	5/4(For			Core Comp	outsof y
	Minor of				
	Other	L			
	Faculty)				
	Max. Mark			Min. Passing Marks:	
Т-					
10	tai No. of Lect	tures-Tutorials-Pr	acticai (ii	1 nours per wee	·K):
Unit		Topics			No. of Lectures
I	Independence E The Economy-C	he Indian Economy; conomy. Structure a Objectives ,Strategy a evelopment – Nation	nd Feature and Achiev	s. Planning For ements.	18
	Income, HDI an	d Physical Quality C	Of Life (PQ	LI) Index.	

П	Demographic Features and Resourse Base Broad Demographic Features Of Indian Population; Migration. Population Increase- Causes and Remedies Infrastructure Sectors; Energy, Telecommunications, I.T, Transport, Ports, Social Infrastructure.	18
III	Unemployment and Poverty Concept, Types, Causes and Estimates; Rural /Urban Migration. Urbanisation and Civic Amenities. Poverty- Concepts and Measurements- Head Count Index, Poverty Gap Index, Squared Poverty Gap Index and Human Povert Index(HPI),Effects of Poverty and Unemployment.	18
	The Agriculture Sector in India	18
IV	Features of Indian Agriculture-Land Reform, Agricultural Growth And Productivity, Cropping Pattern, Agricultural Marketing, Causes and Measures To Increase Low Productivity, Technological Change and Mechanisation in Agriculture. Green Revolution, Food Security and PDS. Agricultural Finance-Instituinal and Non Instituinal Finance, Micro Finance, WTO And Indian Agriculture.	
V	Industrial Sector, Service Sector and Foreign Trade Micro, Small and Medium Enterprises (MSME'S)- Features, Characteristics and Challenges. New Industrial Policy. Industrial Finance, Tourism and Healthcare, Insurance, FDI in Industrial and Service Sector. Indias Foreign Trade- Imports and Exports, Foreign Trade Policy.	18

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25) M.C.Q./assignment/presentation/any other activity related to content.

Suggested Reading:

1. Misra and Puri; Indian Economy.

2. Dutta and Sundaram: Indian Economy

Program/Class	Year: Fourth	Semester: Seven
Bachelor Degree	rear. Pourur	
with Research and		
M.A. Economics.		

		Sub	oject:			
			omics			
Course Cod	le: A080702T	Course Title: P- 2	2, Microe	conomics-I		
	Credits:	5		Core Comp	ulsory	
Max. Marks: -75+25 Min. Passing					g Marks:	
		ures-Tutorials-P	 ractical (ir			
10				i nours per wee	No. of Lectures	
Unit		Topics			No. of Eccurcs	
Ι	Indifference Cur Substitution Effe Curve; Revealed	is-Theory of Consultive Analysis, Price ects, Slutsky Theored Preference Hypoth Its Measurements,	Effects ,Inc em, Comper lesis of Den	ome and asated Demand and, Elasticities	15	
II	Production Function: Short Run And Long Run. Technical Progress and Production Function, Theories of Production- Law of Variable Proportions and Returns to Scale, Isoquants, Scale Line, Ridge Lines, Elasticity of Substitution, Equalibrium of the Firm: Choice of Optimal Combination of Factors of Production, Cobb- Douglas and CES Production Function. Theories of Costs- Short Run and Long Run Costs.				18	

III	Market Structure- Theory of Firm and its Objectives, Concepts of AR, Mr and TR, Equilibrium of Firm- TR- TC and MR-MC Approach. Perfect Competition- Equilibrium of Firm and Industry, Short Run and Long Run Supply Curve, Kaldor and Saraffa's Incompatibility of Equilibrium In Perfect Competition.	18
IV	Monopoly- Price and Out Put Determination in Short Run and Long Run, Monopoly Power, Price Discrimination and Dumping, Monopsony and Bilateral Monopoly. Monopolistic Competition- Price and Output Determination in Short Run and Long Run, Selling Costs and Advertising.	17
V	Classical Oligopoly: Non Collusive Oligopoly Models, Cournot, Bertrand and Chamberlains Model, Kinked Demand Curve Model. Collusive Oligopoly: Cartels, Joint Profit Maximisation and Market Sharing Model, Price Leadership; Low cost Price Leader, Dominant firm Price Leader, Barometric price Leadership.	10

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25 Internal) M.C.Q./assignment/presentation/any other activity related to content.

- 1.H. L Ahuja: Advance Economic Theory.
- 2. Koutsoyiannis, . Modern Microeconomics.

Program/Class: Bachelor Degree with Research and M.A. Economics	Year: Fo	urth	Semester: Seven		
	Sub	ject:			
	Econo	omics			
Course Code: E080703T	Course Title	: P-3 Pu	blic Finance-I		
Credits: 5	5		Core Compulsory		
Max. Marks: -75+25			Min. Passing Marks:		
Total No. of Lectures-Tutorials-Practical (in hours per week):					

Unit	Topics	No. of Lectures
	Meaning and Scope of Public Finance. Dalton and Musgraves Theory of Maximum Social Advantage, Efficiency in Resource Allocation, Provision Of Public, Private and Merit Goods, Market Failure- Imperfections, Decreasing Cost Externalities.	15
I	Public Former diture Comments and Towns	1.5
	Public Expenditure-Concepts and Types	15
	, Wagner's law of Increasing State	
	Activities, Wiseman- Peacock Hypothesis	
	of Public Expenditure, Structure and	
II	Growth of Public Expenditure, Budget –	
	Types and Formulation, Deficits-	
	Budgetary, Fiscal and Primary.	
III	Taxation-Principle of Taxation :Benefit and Ability to Pay Approaches, Buoancy and Elasticity of Taxation, Direct and Indirect Taxes- Impact, Incidence and Effects of Taxation, Theories of Incidence of Taxation, GST.	15
IV	Public Debt-Sources of Public Debt, Debt Through Created Money, Public Borrowing and Price Level, Burden Of Public Debt, Crowding Out of Public Investment and Activity,, Principles of Debt Management and Repayment	15
V	Fiscal Policy-Objectives, Full Employment, Price Stability, Economic Growth, Redistribution of Income and Wealth, Fiscal Policy and Automatic Stabilisers, Discretionary Fiscal Policy.	15

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25) M.C.Q./assignment/presentation/any other activity related to content.

- 1. H. L Bhatia: Public Finance.
- 2. Musgrave and Musgrave: Theory and Practice pf Public Finanace.

Progr	ram/Class:	Year: Fo	ourth	Seme	ester: Seven
Bach	elor Degree				
with F	Research and				
M.A.	Economics				
		Sub	ject:		
		Econ	omics		
Course C	ode: E080704T	Course Title	e: P4- Re	search Method	lology
Course Lea	rning Outcomes	Ş			
	Credits: 5	;		Core Comp	oulsory
	Max. Marks: -75+25 Min. Passing				
T	otal No. of Lect	ures-Tutorials (ir	n hours pe	er week)	
Unit		Topics			No. of Lectures
Ι	Basic Concepts of Research- Meaning, Objectives, Types, Approaches and Significance, Criteria of Good Research, Selection and Defining a Research Problem, Scientific Research Methods. Review of the Related Literature and Selection of a Research problem.			15	
II	Important Conce Extraneous Varia Descriptive Rese Experimental Re	n— Meaning and Ty epts, Dependent And ables, , Experimenta earch: Nature, Impo esearch: Nature, impo sign. Historical rese	I Independent al and Non rtance and portance, ste	ent Variables, Experimental. types and steps. eps and type of	18

III	Design Of Sample Survey And Methods of Data Collection- Meaning and Types of Sample Design, Sample Survey vs Census Survey, Sampling and Non Sampling Errors, Quantitative and Qualitative data, Guidelines for Constructing Questionnaire/ Schedule, Selection of Appropriate Method of Data Collection, Case Study Method.	18
IV	Hypothesis- Concept Sources, Types, Formulating Hypothesis, Characteristics of a Hypothesis. Concept and Technique of Sampling (Probability & Non Probability sampling).	17
V	Types of Measurement Scale (Nominal, Ordinal, Interval and Ratio). Tools of Research (Rating Scale, Attitude Scale, Questionnaire Aptitude test and Achievement test, Inventory). Techniques of Research (Observation, Interview and Project techniques).	15

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25) M.C.Q./assignment/presentation/any other activity related to content.

Suggested Reading:

- 1. Aggarwal, Y.P. (1998), The Science of Educational Research: A Source Book, Nirmal ,Kurukshetra · Best, john W. and Kahn James V (1995), Research in Education, prentice Hall, New Delhi ·
- 2. Burns, R.B. (1991), Introduction to research in education, prentice Hall, New Delhi ·
- 3. Edward, Allen L (1968), experimental Designs in psychological Research, Holt, Rinehart and Winston, New York .
- 4. Good, C.V. and Douglas, E. Scates (1954), methods in Social Research, McGraw Hill, New York.
- 5. Kerlinger, F.N. (1973), foundation of Behavioral Research, Holt, Rinehart and Winston, New York
- 6. Koul, Lokesh (1988), Methodology of Educational Research, Vikas, New Delhi
- 7. McMillan, James H. and Schumarcher, S. (1989), research on Education: A Conceptual Introduction, Harper and Collins, New York
- 8. Mouly, A.J. (1963), the Science of Educational Research, Eurasia, New Delhi
- 9. Neuman, W.L. (1997), Social Research Methods: Qualitative and Quantitative Approaches, Allyn and Bacon,
- 10. Boston · Travers, R.M.W. (1978), An introduction to educational research, Mcmillan, New York ·
- 11. Van Dalen, D.B.(1962), understanding Educational research, McGraw Hill, new York

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- 12. Young, P.V. (1960), Scientific Social Surveys and research, prentice hall, new Delhi.

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18	

Progr	ram/Class:	Year: Fo	ourth	Seme	ester: Eight
Bache	elor Degree	1041.10	Jurun		
with R	esearch and				
M.A.	Economics				
		Sub	ject:		
		Econ	omics		
Course Co	ode:E080803T	Course Titl	e: P5 - D	emography	
Course Learning Outcomes On completion of this course, learners will be able to:					
Credits: 5 Elective					
Max. Marks: -75+25 Min. Passing			g Marks:		
To	Total No. of Lectures-Tutorials-Practical (in hours per week): L-20, T-4				
Unit	Topics			No. of Lectures	
I	Introduction-Meaning, Nature, Scope Subject Matter and Importance of Demography. Components of Population Growth and Their Interdependence, Population Growth, Poverty and Economic Development. Theories of Population: Maithusian Theory of Population, Optimum Theory of Population, Theory of Demographic Transition. Population Explosion, International aspects of Population Growth and Distribution; Methods of Population Projection and Age Pyramid. Life Table; Meaning and Uses of Life Table.				

II	Fertility, Mortality, Nuptiality and Migration: Importance of Study of Fertility and its Variuos Measurements: GBR, GFR, TFR, ASFR, SFR, GRR, and NRR. Factors Affecting Fertility- Socio – Economic and Cultural Determinants. Mortality and Its Various Measurements: CDR, ASDR, IMR, SDR, and MMR. Nuptiality Analysis: Concepts and Determinants. Migration and Urbanisation- Concepts and Types, Factors Affecting Migration. Urbanisation -Growth and Distribution of Rural – Urban in Developedand Developing countries.	15
III	Population and Development With Reference To India: Population, Economy and Environment Linkages, Population Health, Nutrition, Productivity Nexus. Major Sources of Demographic Data. Population and Human Development Issues — Cultures, Education, and Fertility.	15
IV	Sources And Methods of Demographic Data: Census, sampling, Vita Registration Methods, NHFS/SRS and DHS. Index of Human Development of Quality of Life. Concepts of Manpower, Relationship Between Population, Education, and Economic Development	15
V	Population Growth and Policy In India: Changing Characteristics of Population in India: Growth Rates, Trend and regional Variations in Sex Ratio, Age Structure of Population, Infant and Child Mortality Rates, Maternal Mortality Rates, Life Expectancy. Population Policy Since independence. Uttar Pradesh – Demographic Structure.	15

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25)

Ducumentation-10 Marks

Presentation-5 Marks

Question-answers (MCQ) Test-10 marks

- 1. . Bonar, James: Malthus and his Works.
- 2. Bogue, D, J: Principles of Demography.
- 3. Bhende, A.A. and Kanitkar: Principles of Population Studies.
- 4. Srivastava O. S: Demography and Population.

Program/Class:	Year: Fourth	Semester: Eight
Bachelor Degree	rear. rourin	
with Research and		
M.A. Economics		

		Sub	oject:	
		Econ	nomics	
Course Co	de: E080804T	Course Titl	e: P6- Agricultural Eco	nomics
Course Lear	ning Outcomes			
On comple	tion of this cou	rse, learners will	l be able to:	
	C 1'4 5		Dia dia a	
	Credits: 5		Elective	
Max. Marks: -75+25 Min. Passing			g Marks:	
То	tal No. of Lecti	ıres-Tutorials-Pı	ractical (in hours per wee	ek): L-20, P-4
Unit		Topics		No. of Lectures
I	Nature and Scope of Agricultural Economics, Transformation of Traditional Agriculture, Role of Agriculture in Economic Development, Interdependence Between Agriculture and		15	
Land Tenure and Farming System- Peasant, Capitalist, Collective and State Farming, Tenancy and Crop Sharing Farms, Land Reform Measures and Performance, Problems of Marginal and Small Farmers, Rural Labour supply :,Interlocking of Factor Market, Mobility of Labour, Agricultural Wages in India, Rural Employment Schemes in India, Organic Farming. Green Revolution.		15		

III	Agricultural Markets and Marketing Efficiency- Market Structure and Imperfections, Regulated Markets, Behaviour of Agricultural Prices, - Cobweb Model, Warehousing ;Prices; Taxation and Crop Insurance, Food Security and PDS In India.	15
IV	Agricultural Finance- Institutional and Non- Institutional Finance in Agricultural Sector in India, Imperfections in Rural Credit in India, Role of NABARD, Co- Operatives and its Role in Agricultural Development. Role of Subsidies, Technical Progress in Agriculture.	15
V	International Trade in Agricultural Commodities; Commodity Agreements – Role of WTO, Issues in Liberalisation of Domestic and International Trade in Agriculture- Nature and Features of Agri- Business, Role of MNC's, Globalisation of Indian Agriculture.	15

Suggested Comprehensive and Continuous Evaluation Method (Total Marks-25)

Suggested Reading:

- 1. Mishra and Puri : Indian Economy .
- 2. Bardhan, P: Land, Labour And Rural Poverty.
- 3. Schultz, T. W: Transforming Traditional Agriculture.

PAPER -7 MINOR FROM OTHER FACULTY

VII	A080707T	P7- Minor (From other Faculty)	Theory	4
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	Semester: Seven			
Year: Fourth				
Subject:				
Economics				
Course Title:P-8 Res	search Project			
E080706R				
	Subject: Economics			

Course Learning Outcomes

- The students will be able to understand the implications of Research Tools.
- Students will get the experiential learning opportunities in the specific institutions of the society.
- Students will link their knowledge to society.

Credits: 4

Cicuits. 4	Core Comp	701501 y			
Max. Marks: -75+25	Min. Passing	Marks:			
Total No.of Lectures-Tutorials-Pr	Total No. of Lectures-Tutorials-Practical (in hours per week): L-20, T-4				
Topics		No. of Lectures			
Rural/Slums/Orph	onstruction and	60			

Core Compulsory

Suggested Evaluation shall be done by Internal as well as External Examiners appointed by the university. (Total Marks-100) Internal-50

• Survey method: Meaning and types.

External-50

Program/Class:	Year: Fourth	Semester: Eight		
Bachelor Degree	Tour. Tourin			
with Research and				
M.A. Economics				
Subject:				
Economics				
Course Code: E080801T Course Title: P-9, Microeconomics- II				

Course Learning Outcomes

On completion of this course, learners will be able to:

Credits: 5	Core Compulsory
Max. Marks: -75+25	Min. Passing Marks:

Total No. of Lectures-Tutorials-Practical (in hours per week): L-20, P-4

Unit	Topics	No. of
I	Theory Of Distribution-Neo Classical Approach, Marginal Productivity Theory, Determination of Wage In Perfectly and Imperfectly Competitive Markets, Elasticity of Factor Substitution, Technical Progress and Income Distribution, Eulers Product Exhaust Theorem, The Adding- Up Problem, Clark – Wicksteed-walras Product Exhaustion.	Lectures 15
II	Determination of Rent – Ricardian Theory of Rent, Quasi Rent. Theories Interest – Classical, Keynesian and Modern Theory of Interest(IS-LM Model). Profits – Concepts and Theories, Monompoly and profits, Schumpeter's Innovation Theory of Profit.	15
III	General Equilibrium Analysis of Production and Exchange, Exchange and Consumption, General Equilibrium and Perfect Competition, Existence and Uniqueness of Equilibrium. Market Failure – Monopoly as a Cause of Market Failure, External Economies and Dis- Economies	15

IV	Welfare Economics; Individual and Social Welfare. Value Judgements, Concepts of Social Welfare; Pigovian Welfare Economics, Pareto Optimality Criterion and Edgeworth Box, Conditions of Pareto Optimality.	15
V	New Welfare Economics-Compensation Principle, Kaldor- Hick's Compensation Criteria, Scitovsky Paradox, Social Welfare Function and Social Choice Theory, Bergson's Social Welfare Function, Grand Utility Possibility Frontier Curve, Theory of Second Best.	

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25) Ducumentation-10 Marks Presentation-5 Marks

Question-answers (MCQ) Test-10 marks

Suggested Reading:

H.L Ahuja : Microeconomics .
 Koutsoyiannis : Modern Micro Economics.

Program/Class:	Year: Fo	ourth	Semester: Eight		
Certificate					
Bachelor Degree					
with Research and					
M.A. Economics					
	Sub	ject:			
	Econ	omics			
Course Code: E010802T Course Title: P- 10, Public Finance (India)-II					
Course Learning Outcomes On completion of this course, learners will be able to:					
Credits: 5 Core Compulsory					
Credits:)		Core Compulsory		

Unit	Topics	No. of Lectu
I	Fiscal Federalism in India; Vertical and Horizontal Imbalance; Assignment of Functions and Sources of Revenue of Local, State and Central Governments, Resource Transfer from Govt .of India, Finance Commissions Recommendations, Centre- State Financial Relations. Share of States in GST.	15
П	Public Expenditure in India-Introduction, Classification and Trends, Items of Expenditure of Centre and State Governments, Recent Trends of Public Expenditure in India. Causes Of Increase of Public Expenditure In India.	15
ш	Indian Taxation System-Salient Features - Custom and Excise Duties, Personal Income Tax, Corporate Tax, State Government; CGST, Stamps and Registration Fees, Land Revenue. Local Governments- Property Tax, House Tax, And water tax, Tax Reforms, Issues in GST.	15
IV	Government Budgeting; Purpose and Classification, Process of Budget Formulation, Zero Base Budgeting In India, Analysis of Latest Central Budgets. Budget Deficit- Types, Structure and Trends; Fiscal deficits in India.	15
V	India's Public Debt- Trends and Structure, Debt Position Of States, Management Of Public Debt in India, Debt Redemption In India. Deficit Financing In India – Need, Impact and Remedy.	15

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25)
Ducumentation-10 Marks
Presentation-5 Marks
Question-answers (MCQ) Test-10 marks
Suggested Reading:

B. Mishra: Public Finance.
 Tyagi: Public Finance.

Program/Class:	Year: Fifth	Semester: Ninth
Bachelor Degree	rour. rinn	
with Research and		
M.A. Economics		
<u>'</u>	Subject:	
	Economics	
Course Code: A080904T	Course Title: P11- E	lementary Statistics
Course Learning Outcomes		

Credits: 5	Elective
Max. Marks: -75+25	Min. Passing Marks:

Total No. of Lectures-Tutorials-Practical (in hours per week): L-20, T-4

Unit	Unit Topics	
	- SP-33	Lectures
I	Statistics – Meaning and Importance, Statistical Process-Investigations, Collection of Data, Classification and Tabulation, Graphic Representation of Data – Line Graph, Bar Diagram, Pictogram, Pie-Diagram, Histogram, Frequency, Polygon.	15
II	Basic Concepts Of Sampling , - Random and Non- Random Sampling , Simple Random , Stratified and Non Starified Random Sampling ,	15
III	Measures of Central Tendency – Mean , Media and Mode ., Harmonic and Geometric Mean , Merits and demerits of Measurement of Central Tendency . Measures of Dispersion- Range, Quartiles , quartile deviation , Mean deviation , Standard Deviation , Mean Deviation , Coefficient of Variation , Lorenz Curve.	15

IV	Measures of Skewness – Correlation; Karl Pearson's Coefficient Of Correlation, Rank correlation, Simple Linear Regression Analysis, Regression Lines and Regression Coefficients.	15
V	Index Numbers – Preparation of Simple and Weighted index Numbers, Conversin Base, Fisher's Index Numbers, Indian Statistics – CSO, NSSO, Population Statistics.	15

Comprehensive and Continuous Evaluation Method (Total Marks-25 Internal.)

Suggested Reading: 1. S. P Gupta: Statistical Methods.

1. Shukla and Sahai: Advance Statistics.

2. K. L Gupta: Advance Statistics.

Dochal		Year: Fo	uirth	Semester: E	agiit
Dachei	or Degree	rear. re	ditti		
with Res	search and				
M.A. E	conomics				
		Sub	ject:		
		Econe	omics		
Course Cod	le: E080805T	Course Title: P1	2 -Labou	r Economics	
		-			
Course Learn	ing Outcome	S			
On complete	ion of this cou	ırse, learners will	be able to);	
•					
		ľ			
				Elective	
	Max. Mark	s: -75+25		Min. Passing Marks	s:
Total	al No. of Lect	ures-Tutorials-Pr	actical (in	hours per week):	
Unit		Торіс	•••		No. of
		Topic			Lectures

I	Nature and Characteristics of the Labour Market In India, Demand For Labour in Relation to Size and pattern of Investment, Supply of Labour In Relation to The Growth of Labour Force, Mobility of Labour Methods of recruitment and Placement, Employment services Organisation in India.	15
II	Poverty and Unemployment in India, Unempolyment -Conept, Types, and measurement in India, Disguised Unemployment, Impact of rationalization, Technological Change, Modern Employment in Organised Private Industry, Labour Employment in Public, Service and Agricultural Sector.	15
III	Theories of wage Determination- Concept Of Minimum Wage, Subsistence Wage and Fare Wage in Theory and Pracrice, Wage Determination in Various Sectors – Rural, Urban, Organised, Unorganised and formal Sectors, Productivity and Wage relationship, Analysis of Rigidity In Labour Market.	15
IV	Social Security of Agricultural Labour- Concept of Social Security and Evaluation, Social Assistance and Social Insurance, State Policies with respect to Social Security, Problems of Child Labour and Its Problems, Female Labour, Glabalisation and Labour Markets.	15
V	Theories of Labour Movement – Growth , Pattern and Structure of Labour Unions in India, Causes Of Industrial Disputes , Role of Judicial Activism , Labour Legislation in India, Current Labou.r Laws	15

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25) M.C.Q./assignment/presentation/any other activity related to content.

Prog	ram/Class:	Year: Fi	ifth	Seme	ester: Ninth	
Bach	nelor Degree	1041.11				
with I	Research and					
M.A.	. Economics					
		Sut	oject:			
		Econ	nomics			
Course Co	de: A080807T	Course Titl	e: P-13 I	History Of Eco	nomic Thought	
Course Les	erning Outcome	c				
Course Lea	arning Outcome	5				
	Credits: :			Elective		
Max. Marks: -75+25 Min. Passing					g Marks:	
Т	otal No. of Lect	tures-Tutorials-T	utorials(ir	n hours per wee	k): L-20, P-4	
Unit		Topics			No. of Lectures	
	Economic Thou	ght of Plato and Ari	stotle, - Do	octrine of just		
		rice – Mercantilism -				
I	Thomas Mun- P					
	Petty, Locke an	ocial C lasses. Turgo d Hume.	ot – Econor	inc ideas of		
	Classical Econo	omists- Adam Smith	n , Naturalis	m and	15	
	Optimism of Ad	Optimism of Adam Smith ,Public Finance , International				
II	· ·	Trade, Division Of Labour. TR Malthus-Theory of Over				
		oulation Theory, Pop ne of Rent and Fore	-			
		Economists – Alfre				
III		e, Elasticity of dema		•		
111	Quasi Rent . J S	Mill- Theory of Inc	lividual Co	mpetition,		
	Productive and	Unproductive Labou	ur, Socialis	t Concept		

	New Economics – J. M Keynes, Effective Demand,,	
	Theory of Income and Employment, Consumption Function,	15
IV	Theory of Trade Cycle, Concept Of Multiplier and MEC	
1	Theory of Investment. Milton Friedman -Permanent Income	
	Hypothesis, Fiscalism vs Monetarism, Joseph Schumpeter-	
	Idea on Profit, Trade Cycle and Capitalism Destruction.	
	Indian Economic Thought- Kautilya, Valluvar. Modern	
	Economic Ideas of Naoroji, Ranade, R. C. Dutt and M. N	15
\mathbf{V}	Roy, Economic Ideas of Mahatma Gandhi – Village,	
	Swadeshi, Cottage Cottage Industries, Nehruvian	
	Economics, Economic Ideas of Ambedkar and J K Mehta.	
	A. P. J Abdul Kalam and His Economic Thoughts.	
	Economic Thoughts of Pt .Deendayal Upadhyay.	

Comprehensive and Continuous Evaluation Method (Total Marks-25 Internal + 75 External)

Suggested Reading:

1.Roll, E: History of Economic Thought.

- 2. P.N Ghosh and R. Ghosh: Concise History of Economic Thought, Himalaya Publishing House.
- 3. D.H Taylor: A History of Economic Thought.

• Semester VIII- A08080R P14- Research Project - Core Compulsory.

Program/Class:	Year: Fifth	Semester: Ninth
Bachelor Degree	100111101	
with Research		
and M.A.		
Economics		
	Subject:	
	Economics	
Course Code: A080901T	Course Title: P15- M	acroeconomics- I

Course Learning Outcomes

On completion of this course, learners will be able to:

lacktriangle

Credits: 5	Core Compulsory
Max. Marks: -75+25	Min. Passing Marks:

Total No. of Lectures-Tutorials (in hours per week): L-20, T-4

Unit	Topics	No. of Lectures
I	National Income and Accounting Methods-Macroeconomics – Meaning and Subject Matter, Circular Flow of Income in Two, Three and Four Sectors of Economy, GDP and GNP and its Variants, Different forms of National Income accounting, Social Accounting, Input – Out Put Accounting, BOP Accounting.	15
II	Consumption Function- Consumption Analysis, Short – Run and Long Run Consumption Function, Linear and Non – Linear Consumption Function, Keynesian Psychological Law of Consumption Income – Consumption Relation, Absolut income, Relative Income, Life Cycle And Permanent Income Hypothesis.	15
III	.Investment Function-Marginal efficiency of Investment and level of Investment, The Multiplier and Accelerator Theories, Neo- Classical theories of Investment, Flexible Accelerator, Impact Of Inflation, Influence of Policy Measures on Investment.	15
IV	Classical And Keynesian Approach – The Basic Classical Models, Say's Law of Market, Interest Rate- Wage and Price flexibility, Role of QTM, Labour market and its Equilibrium; Basic Keynesian Model -balanced Budget Multiplier, Aggregate Demand- Aggregate Supply and Saving and Investment Approach.	15

V	Neo- Classical and Keynsian Synthesis- Neo- Classical and Keynesian Views on Interest, The IS-LM Model, Extension of IS_LM Model with Government Sector, Relative Effectiveness of Monetary and Fiscal Policies, Extension of	15
	IS-LM Models with Labour Market and Flexible Prices.	

Suggested Comprehensive and Continuous Evaluation Method (Total Marks-25 Internal + 75 Exam)

Suggested Reading:

H. L Ahuja: Macroeconomics.
 Branson: Macroeconomics.
 M. L Seth: Macroeconomics.
 S. B Gupta; Monetary Economics.

Progra	am/Class:	Year: Fi	Sem	ester: Ninth	
Bachel	lor Degree	Tear. 19	iiui		
with Re	esearch and				
M.A. I	Economics				
		Subject:	-		
		Economi	cs		
Course Co	deA081002T	Course Title: P1	6-International Econor	mics-I	
Course Lear	ning Outcome	S			
	Credits:	5	Core Com	pulsory	
Max. Marks: -75+25 Min. Passing			g Marks:		
То	Total No. of Lectures-Tutorials-Tutorials (in hours per week): L-20, T-4				
IIn:4		Tonica		No. of Lectures	
Unit		Topics			
I	International and Inter- Regional Trade, Meaning, Advantages		08		
1	and Disadvantages and Effects, Basis of International Trade, Trade as Engine of Growth.				
	Trade as Engine	oi Growth.			

II	Theories of International Trade- Absolute Cost and Comparative Cost Advantage, Opportunities Cost of Haberler And Comparative Advantage, Reciprocal Demand Theories,	10
III	Factor Endowments and The Heckcher- Ohlin Theory; Factor Price Equalisation Theorem, Stolper Samuelson and Rybczynski Theorem, Leontief Paradox, Taussigs Modifications, Theory of Overlappin Demand, Technological Gaps, Product Cycle Models.	15
IV	Terms of Trade- Meanings and Types, Uses and Limitations, Measurement of Gains from Trade and Their Distribution, Hypothesis of Secular Deterioration of Terms of Trade, Offer Curve and its Concepts.	15
V	Meaning and Components of Balance of Payments, Balance Of Trade, Equilibrium and Dis-Equilibrium in The BOP, The Process of Adjustment and Systems of Gold Standard, The Elasticity Approach, International Capital Movements, FDI and Port Folio Investment.	15

Comprehensive and continuous Evaluation Method (Total Marks-25).

Suggested Reading:

- 1. H. G , Mannur : International Economics.
- 2. Sodersten , B. O : International Economics .

3.

Program/Class:	Year: Fifth	Semester: Ninth	
Bachelor Degree	rear. I min		
with Research and			
M.A. Economics			
	Subject:		
	Economics		
Course Code:	Course Title: P17- E	conomics of Growth and	
A080903T	Development-I		
Course Learning Outcomes	S		

Credits: 5	Elective	
Max. Marks: -75+25	Min. Passing Marks:	
Total No. of Lactures Tutorials (in hours per week): I. 20, T.4		

Unit	Topics	No. of
	1 op.os	Lectures
I	Economic Growth and Development – Factors Affecting Economic Growth, Capital, Labour, and Technology; Growth Models – Harrod – Domar, Instability and Equilibrium, Neo- Classica Growth Models – Solow and Meade, Mrs Joan Robinson 's Growth Model,	15
II	Concept Of Golden Age and Golden Rule of Accumulation, Absolute and Conditional Convergence, Technological Progress-Embodied and Dis- Embodied Tecchnical Progress, Growth Accounting; Neo – Keynesian Models of Growth, - N- Kaldor, L. Pasinetti; Two Sector _Models of Growth, Models of Endogenous Growth – AK Model, Romers Model, Mahalanobis Model.	15
III	Growth and Development: Relationship between Growth and Income Distribution, Income Distribution in Developing Countries, Concept and Measurement of Poverty, Functional Impact of Poverty, Project Appraisal; Social-Cost Benefit Analysis, Shadow Prices, Social Rate of Discount, Project Criterion, Little Mirrlees and UNIDO Approaches- A Comparison	15
IV	Development and Underdelopment – Perpetuation of Underdevelopment, Poverty – Absolute and Relative, Measuring Development and Development Gap, Per Capita Income, Inequality of Income, HDI and Other Indices of Development and Quality of Life – Food Security, Education, Health and Nutrition, Population Problem Development.	15
V	Introduction of Infinite Horizon Model , Basics of Over Lapping – Generation (Diamond) Model , Input – Out Put Analysis. Role of Education , Research and Knowledge.	15

Suggested Comprehensive and Continuous Evaluation Method (Total Marks-25)

Suggested Reading: 1. Mishra and Puri; Development and Planning.

- 2. Todaro; Growth and Development.
- 3. A. P. Thirlwal: Growth and Development.

D	/C1			0	. NT' .1
Ū	ram/Class:	Year: Fo	ourth	Seme	ester: Ninth
Bach	nelor Degree				
with l	Research and				
M.A	. Economics				
		Sub	oject:		
		Econ	nomics		
Course C	Code: A080905T	Course Titl	e- P18- F	inancial institu	itions and
		Markets			
	Credits:			Elective	
	5				
	_				
	Max. Marks	: 25+75		Min. Passin	g Marks:
Т	Max. Marks		Practical		g Marks: week): L-20, T-4
Unit	Max. Marks		Practical		
	Max. Marks	Topics ncial Systems; Fu and Economic De financial Intermoment, Regulatory nctions, SEBI- O	enctions of f evelopment nediaries, In y Financial I bjectives, I	inancial Sector , Financial ndicators of Institutions , Functions and its	week): L-20, T-4
Unit	Max. Marks Total No. of Lectu Structure Of Finar ,Financial System Intermediation and Financial Develop RBI- Role and Fun	Topics Topics ncial Systems; Fu and Economic De d Financial Interm ment, Regulatory nctions, SEBI- O ne Working of Cap on, Types, Growt Development; Si vident Funds, Per	enctions of fevelopment nediaries, In y Financial I bjectives, I pital Marke th and Their mall savings	inancial Sector, Financial ndicators of Institutions, Functions and its ts India. Impact on S – Growth and, Hire Purchase	week): L-20, T-4 No. of Lectures

IV	Time Value of Money; Future Value, Present Value of an Uneven Series, Valuation of Securities, Concepts of Value, Bond Valuation, Valuation of Equity Shares; Risk and Rate of return: Conceptsand Types of Risk, Measuring Risk, Portfolio Theory: Expected Return on a Portfolio, Capital Asset Pricing Model: Financial Ratio Analysis, Liquidity Ratio, Turnover Ratios, Leverage ratios, and Profitability Ratios.	15
V	Structure and Functions of Financial Markets; Money Market and its Constituents- Call Money Market, Treasury Bill Market, Commercial Bill Market, Repo Market, Commercial Paper Market. Capital Market- Government Securities, Corporate securities Markets, Primary and secondary Market for Securities, Discount market, Unregulated Credit Markets	20
	Foreign Exchange Market- Nature, Organisation and Participants; Fixed and Flexible Exchange Rates, Devaluation, and Depreciation, Markets For Futures – Options and Other Financial Derivatives; Theories Of Optimum Currency Areas.	

Evaluation Method (Total Marks-100, Internal Assessment - 25, Main Exam-75 Suggested Reading:

- 1. Bhole, L.M: Financial Institution and Markets.
- 2. Avadhani V. A: Investment and Securities Markets in India.
- 3. Avadhani, V. A: Financial Economics, Theory and Practice.
- 4. Gupta, S. B: Monetary Economics: Institutions, Theory and Policy.

1108	ram/Class:	Year: F	ifth	Seme	ester: Tenth
Bach	elor Degree	Tour. T			
with I	Research and				
M.A.	Economics				
		Subject: Ec	onomics		
Course Code: A080906T Course Title:			e: P19- N	Iathematical E	Conomics
Course Lea	arning Outcome	S			
	Credits: 5	5		Elective	
	Max. Mark	s: -75+25		Min. Passing	g Marks:
Т	otal No. of Lect	ures-Tutorials(in	hours pe	r week): L-20, '	Γ-4
	Topics				
Unit		Topics			No. of Lectures
Unit	Continuity and I Interpretation of Ordinal Utility; Equation ,Comp Substitution and	Topics ction and Types of Derivatives ,Rules of revenue , Supply Fordinal Utility Maxensated Demand Furice Effects; Condus , Theory of Revenue , Theory of Revenue	f Differentiunctions, Cimisation; inctions, Incept of Elas	ation , Cardinal and Slutsky come , ticities ,	No. of Lectures

III	Price Determination in Perfect Competition, Monopoly, Duopoly, Monopolistic and Oligopoly Competition. Price of Factors of Production; Single Market Equilibrium – Marshallian and Walrasian Equilibrium Conditions, Lagged market Equilibrium.	15
IV	Linear Programming – Primal and Dual problem, Solution By Graphical Method and Simplex Method, Input Out- Put Analysis – Open and Closed Systems, Hawkins-Simon Conditions, Loentief's Dynamic System. Differential and Difference Equations – First OrderLinear differential Equations – Stability of Market Equilibrium,	15
V	Game Theory- some Useful Terminology and Useful Concepts, Strategic Form Games, dominant strategy, purew Strategies, Locating a Saddle Point. Mixed Strategies — arithmetic Method and graphic Method, Nash equilibrium, Pareto Optimality and Competitive Equilibrium—Partial Equilibrium Competitive Analysis—The Fundamental welfare Theorems in Partial Equilibrium Context; Edgeworh Box, pareto optimality Criteria.	15

Suggested Comprehensive and Continuous Evaluation Method (Total Marks-100-Internal Assessment – 25, Exam - 75)

- 1. Mehta , B. c and GMK Madnani : Mathematics for Economics .
- 2. Chiang, A.C: Fundamental Methods of Mathematical Economics.
- 3. Allen, R. G, D: Macro Economic Theory: a Mathematical Treatment.

Program/Class:	Year: Fourth	Semester: Eight		
Bachelor Degree	Tour. Tourin			
with Research and				
M.A. Education				
Subject:				
Economics				
Course Code: A080806T	Course Title: P20- E	nvironmental Economics		

Course Learning Outcomes

•

Credits: 8	Elective
Max. Marks: -75+25	Min. Passing Marks:

Total No. of Lectures-Tutorials-Practical (in hours per week): L-20, T-4

Units	Topics	No. of
	Topics	Lectures
I	Environmental Economics -Meaning, Scope and Importance, The Evolution and Growth of Environmental Economics, The Concept of Externalities, Environment as a public Good and Market Failure, Environmental Kuznets Curve: Theory and some Emperical Evidences, Environmental Valuation; Meaning and Types.	15
II	Ecology and Environmental Interaction, Economic Development and Environment, Bio-Diversity Crisis and Its Conservation. Climate Change and its Impact on Humans and The Economy.	
Ш	Economics of Natural Resources; A Resource Taxonomy; Managing Exhaustible and Renewable Resources. The Theory of Collective Choices: Hardin's Thesis of The Tragedy Of Commons; Prisoner's Dilemma Game, Olsen's theory of Collective Action. Natural resources and Environmental Problems, Natural Resources Policy in India	
IV	Environmental Pollution-Water, Air, Noise, Soil, Thermal, Marine. Environment and Human Health. Environmental Hazard and Disaster Management. Environmental damage and Its Valuation.	

V	Global Environmental Issues-Negative International Externalities and Their Implications. Global Warming and Acid Rains: Causes Effects and Solutions. Major Environmental Organisation and Events: Green Peace Movement, The World Conservation Union, The Nature Conservancy, Sierra Club, WWF, UNEP, UNCED. The Role of Forests In India's Economy: Deforestation and Degradation of Forests and Their Environmental Consequences. The Vision, Goals, Objectives and Instruments of Environmental Policy; A critique of India's Environmental	
	Environmental Policy; A critique of India's Environmental Policy.	

Suggested Evaluation Method (75+25=Total Marks-100). Suggested Readings;

- 4. Bhattacharya, R. N: Environmental Economics: An Indian Perspective.
- 5. Dasgupta ,P and Heal , G. M: Economic Theory and Exhaustible Resources

A080907R- **P-21, Research Project** (Core Compulsory)

Program/Class:	Year: Fifth	Semester: Tenth
Bachelor Degree	rear. I mai	
with Research and		
M.A. Economics		
Subject: Economics		

Course Code E081001T	Course Title- P22 – Macroeconomics II	
		Core Compulsory
Credits: 5		
Max. Marks: -75+25		Min. Passing Marks:

Total No. of Lectures-Tutorials-Practical (in hours per week): L-20, P4

Unit	Topics	No. of Lectures
I	Financial Intermediation – A Mechanistic Model of Bank Deposit Determination, Money- Definitions and Functions, Narrow Money, High Mowered Money- and Money Multiplier, Budgets Deficits and Money Supply, Monetary Policy- Control of Money Supply. Measure of Money Supply. RBI 's Approach of Money Supply.	15
II	Neo-Classical Approach to Demand For Money – Quantity Theory Approach, Fishers Equation, Cambridge Cash Balance Approach, Keynes liquidity Preference Theory of Demand For Money, Baumol and Tobin's Modifications on Demand for Money, Friedman's Restatement Of QTM, Patinkins Rehabilitation of The QTM.	15
III	Inflation- Meanings and Types; Classical Keynesian and Monetarist Theories of Inflation; Structuralist Theory of Inflation; Phillips Curve Analysis – Trade Off Between Inflation and Unemployment, Samuelson and Solow- The Natural rate of Unemployment, Rational Expectations of John Muth, Impact Of Inflation, policies to Control Inflation.	15
IV	Trade Cycles – Types and Features; Theories of Keynes, Kaldor, Schumpeter, Hicks and Samuelson, Goodwins Model; Control of Business Cycles – Relative Efficacy of Monetary and Fiscal Policies.	15
V	Objectives, Targets and Indicators of Macroeconomic Polices, Gradualism vs Shock Therapy, Rules VS Discretion, Dynamic Inconsistency Problem, Inflatiop targeting, Barroricardo and Blinder – Solow Hypothesis.	15

Suggested Comprehensive and Continuous Evaluation Method (Total Mark

- 1. H. L Ahuja: Macroeconomics.
- 2. Branson: Macroeconomics.
- 3. M. L Seth: Macroeconomics.
- 4. S. B Gupta; Monetary Economics.

Total No. of L Uni t BOP Adjustment Elasticity, Ab Affroach to Bot Expenditure R	Course Tit	bject: nomics de: P23- International	Economics-II
M.A. Economics Course Code: A081002T Course Learning Outcome On completion of this Max. Max. Max. Max. Max. Max. Max. Max.	Course Tit	nomics de: P23- International	Economics-II
Course Code: A081002T Course Learning Outcome On completion of this Max. Max. Max. Max. Max. Max. Max. Max.	Course Tit	nomics de: P23- International	Economics-II
A081002T Course Learning Outcome On completion of this Max. Max. Max. Max. Max. Max. Max. Max.	Course Tit	nomics de: P23- International	Economics-II
A081002T Course Learning Outcome On completion of this Max. Max. Max. Max. Max. Max. Max. Max.	Course Tit	nomics de: P23- International	Economics-II
A081002T Course Learning Outcome On completion of this Max. Max. Max. Max. Max. Max. Max. Max.	Course Tit	le: P23- International	Economics-II
A081002T Course Learning Outcome On completion of this Max. Max. Max. Max. Max. Max. Max. Max.	nes		Economics-11
Course Learning Outcome On completion of this Max. Material No. of Later and the second seco		ll be able to:	
Max. Max. Max. Max. Max. Max. Max. Max.		ll be able to:	
Total No. of L Uni t BOP Adjustment Elasticity, Ab Affroach to Bot Expenditure R			
Total No. of L Uni t BOP Adjustment Elasticity, Ab Affroach to Bot Expenditure R		Core Con	npulsory
Uni t BOP Adjustme Elasticity, Ab Affroach to Bo Expenditure R	rks: -75+25	Min. Passii	ng Marks:
BOP Adjustment Elasticity, Ab I Affroach to Both Expenditure R	ectures-Tutorials- ((in hours per week): L-2	0, T-4
BOP Adjustme Elasticity , Ab I Affroach to Bo Expenditure R	Topics		No. of Lectures
	BOP Adjustment Under Fixed and Flexible Exchange Rates-, Elasticity, Absorption, Monetary and portfolio Balance Affroach to BOP Adjustment Mechanism, Role of Expenditure Reducing and Expenditure Switching Policies in Open Economy.		15
II partial and Ge		Open Economy . Tarifff's Classification , Measurement and effects of under partial and General Equilibrium, Optimum Tariffs , Retaliation of Tariffs; Quotas – Types and Effects	

Year: Fifth

Program/Class:

Semester: Tenth

III	Free Trade vs Protections, Dumping, Terms of Trade, Concept, Types, Factor Determining and Importance,	15
	Causes of Deterioration In Terms of Trade.	
	World Trade in The 19 th and 20 th Centuries, GATT and trade Rounds, Multilateral Trading Systems and The WTO, -	15
IV	TRIMS, International Trade in Services, UNCTAD, IMF, and	
	World Bank- Functions, Achievements and Failures. Regional Blocks, SAARC, ASEAN and NAFTA.	
V	Trade Problems and Trade Policies in India during the last seven Decades; Recent Changes in Composition and Direction	15
V	of Trade and Their Implications; Trade Reforms Since	
	1991; Working and Regulations of MNC's in India. Recent	
	Export and Import Policies of Government of India.	

Suggested Comprehensive and Continuous Evaluation Method (Total Marks-25 Internal+ 75 External)

- 1. H. G , Mannur : International Economics.
- 2. Sodersten , B. O : International Economics .

Program/Class:	Year: Fifth	Semester: Tenth
Certificate-	1041.11111	
Bachelor		
Degree with		
Research and		
MA Economics		
Subject: Economics		
Course Code:	Course Title: P24- Economics of Growth and	
A081003T	Development- II.	

Course Lea	arning Outcomes		
	Credits: 5	Elective	
	Max. Marks: -	Min. Passing	Marks:
Т	otal No. of Lectures-Tutorials (in	hours per week): L-20,	T-4
Unit	Topics		No. of Lectures
I	Classical Theory of Development - C Ricardo , Malthus , and James M Development of Capitalistic Econom , Surplus Value and Profit , Crisis in C Capitalistic Development , Structura	Mill , Karl Marks and ny – Theory of Social Change Capitalism – Schumpeter and	
II	Partial Theories of Growth and Devof Poverty, Circular Causation, Un BIG Push, Balanced Growth, Unba Minimum Effort Thesis, Low Leve Dualism-, Technical, Social, Geo Gunar Myrdals Cumulative Causes Model, Rostow and Stages of Grow	15	
III	Role Of Agriculture in Economic D Productivity in Agriculture, New To Agriculture, Globalisation and Agri and pattern of Industrialisation in Do Choice of Techniques and Appropri Employment; Terms of Trade Between	15	
IV	International Trade as Engine of Gro Gains From Trade; Prebisch, Singe Trade; Export Led Growth; Dual ga International Economic Order.	15	
V	Role of Monetary and Fiscal Policie Countries – Prior Savings, Inflation Empirical Evidence; Empirical Evidence; Empirical Evidence Resources – FDIvs trade, Technolog Activity in Developing Countries Domestic and External; Burden of B and World Bank Policies in Develo	on and Growth, idence External sy Inflow; MNC ; Borrowings — sorrowing – IMF	15

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25)

Suggested Reading: 1. Mishra and Puri; Development and Planning.

3. 2.Todaro; Growth and Development.

3.A. P. Thirlwal: Growth and Development.

Progra	ım/Class:	Year: Fi	fth	Semester: Tenth
Cert	ificate -	1 cur. 1 r		
Bac	chelor			
Degr	ree with			
Resea	arch and			
MA E	conomics			
		Sub	ject:	
		Econ	omics	
Course Co	de:	Course Title	e: P25- Adva	nce Statistics
A081004T	i			
	Credits: 5	5		Elective
	Max. Mark	s: -	N	Iin. Passing Marks:
To -4	tal No. of Lect	cures-Tutorials-Pr	actical (in ho	urs per week): L-20, T-5
Uni t		Topics		No. of Lectures
		40		

I	Elementary Probability Theory. Addition and Multiplication Theorems, Conditional Probability and Concept of Interdependence, Bay's Theorem, Random Variables, Mathematical Expectation, Probability Distribution: Binomial, Poisson and Normal.	15
II	Theory of Sampling: Types of Sampling, Small and Large Samples, Sampling Distribution: Distribution of Sample Mean, Central Limit Theorem.	15
III	Estimation- Point and Interval Estimates of Mean , Characteristics of Good Estimator , Small and Large Sample Properties , Multiple Regression (Introductory) , Standard Error of an Estimate.	15
IV	Testing Of Hypothesis: Type I and Type II Errors; Level of Significance; Interpretation of P Value, Good ness of Fit, Confidence Intervals and Level of Significance, One tail and Two Tail Tests; Hypothesis Testing of Means and Variance based on t and Z Tests.	15
V	. Association of Attributes , Definition ,Properties and uses of Chi Square Test , Conditions of Applying Chi Square Test. Analysis Of Variance and F Test ,	15

Suggested Comprehensive and continuous Evaluation Method (Total Internal Marks-25, Theory Exam -75)

Suggested Reading: 1. S. P Gupta: Statistical Methods.

2-Shukla and Sahai : Advance Statistics.

3-K. L Gupta: Advance Statistics.

Program/Class:	Year: Fifth	Semester: Tenth
Certificate		
Subject:		
Economics		

Course Co	ode: A08105T Course Titl	e- P26, Econometrics	
Course Lea ●	rning Outcomes		
	Credits: 5	Elective	
	Max. Marks: -	Min. Passing	Marks:
Te	otal No. of Lectures-Tutorials-Pr	ractical (in hours per wee	k): L-20, P-4
Unit	Topics		No. of Lectures
I	Basic Econometrics - Nature, A Econometrics; Simple and Line Assumptions, Estimation (Through Properties of OLS Estimators, Concepts and Derivation of R2	ear Regression Model, - ugh OLS Approach), and Gauss – Markov Theorem;	15
II	Problems in Regression Analy Nature, Test, Consequences an Problems of Multicollinearity an Nature, Tests, Consequences an Specification Errors and Errors	nd Remedial Measures . nd Auto- Correlation- nd Remedial Measures.	15
III	Regression with Qualitative In Dummy Variable Technique- So Regression Models comparing t Effects, Seasonal Analysis, Pie Use of Dummy Variables, Regr Dependent Variables; The LPM Models.	ndependent Variables- tructural Stability of to Regressions, Interaction ecewise Linear Regression, ression With Dummy	15
IV	Dynamic Econometric Model- Au Lag Models – Koyack Model, Part Adaptive Expectations, Instrument Expectation, Problemsof Auto Corr Distributed Lag Models; Error Cor Casualty test and Sim's Test	ial Adjustment Model, al Variables; Problems of relation, Almon Approach to	15

	.Simultaneous Equation Models – Introduction	15	
V	and Examples, The Simultaneous Equation Bias	13	
	and Inconsistency of OLS Estimators; The		
	Identification Problem- Order and Rank Conditions		
	; Methods of Estimation of Simultaneous Equation		
	System; Recursive Methods and OLS; Indirect		
	Least Squares (ILS), 2SLS, 3SLS and Maximum		
	Likelihood Methods – Applications,		
	Panel data Techniques; Forecasting.		

Comprehensive and continuous Evaluation Method (Total Marks- 25 Internal) Suggested Reading :

- 1.. Koutsoyiannis, A: Theory of Econometrics.
- 2. Gujrati , D. N Basic Econometrics .
- 3. Dongherty , C.: Introduction to Econometrics

Program/Class:	Year: Fifth	Semester: Ninth
Bachelor Degree		
with Research and		
M.A. Economics		
	Subject:	
	Economics	
Course Code: A080906T	Course Title: P27- I	ndustrial Economics
Course Learning Outcomes	S	
Credits: 5	5	Core Compulsory
Max. Mark	s: -75+25	Min. Passing Marks:

Unit	Topics	No. of Lectures
I	Scope and Methodology of Industrial Economics Market Structure and Behaviour of a Firm ,Concept and Organization of a Firm – Ownership , Control and Objectives of The Firm , Passive and Active Behaviour of The Firm. Productivity; Efficiency and Capacity Utilisation, Methods of Measuring Efficiency of a Firm , diversification, Integration and Merger.	15
П	Elasticity of Demand and Business Decision- Making .Demand Forecasting, Pricing Procedures- Theoretical and Pricing in Practice; Investment Decisions; Financial Statement and Ratio Analysis, Economics of Patents, Adeption and Diffusion of Innovation.	15
III	Theories of Industrial Location – Weber , and Sargent Florence; Factors Affecting Location. Economies of Scale ; Market Structure and Profitability	08
IV	Industrial Finance Sources, Nature, Volume and types of Institutional Finance – IDBI,IFCI, SFCs, SIDC, SIDBI, Commercial Banks, Capital Structure, Separation of Ownership and Control. Financial Statement- Balance Sheet, Profit and Loss Account, Assessment of Financial Soundness	15
V	Structure of Industrial Labour; Employment Dimension of Indian industry, Industrial Legislation, Industrial relations – Exit Policy and Social security; Wages and Problems of Bonus – Labour Market Reforms.	15

Suggested Comprehensive and continuous Evaluation Method (Total Marks-25)

- 1. R. R. Barthwal: Industrial Economics.
 - 3. Mish and Puri: Economics of Development and Planning.

Program/Class:	Year: Fifth	Semester: Tenth		
Bachelor Degree	Tour. Thui			
with Research and				
M.A. Economics				
Subject:				
	Economics			
Course Code:	Course Title: P- 28,	, Research Project		
A081006R				
_	·	_		

Course Learning Outcomes

On completion of this course, learners will be able to:

- To understand the process of complete research projects.
- Students will be able to understand the process of research in Economics.
- Students will understand the fundamentals of research process in social sciences.

Credits: 8	Core Compulsory

Max. Marks: -50+50		Min. Passing	g Marks:	
То	Total No. of Lectures-Tutorials-Practical (in hours per week): L-20, T-4			
	Topics		No. of Lectures	
	The student will prepa under The Supervision relevant Topic in The	of a Teacher on a	60	

Suggested Evaluation Method (Total Marks-100, Project-50,viva-voce-50)
Internal – 50 (25+25)

External -50(25+25)