Lesson Plan for Course:Paper-1 Marks:100

Course coordinator :EKBAL HOSSAIN

## **Course Outcome:**

After successful completion of this course students will be able to:

- 1. Understand the fundamental problems of an economy and optimal allocation of resources to meet the needs of the society.
- 2. Learn the market clearing mechanism for setting up equilibrium price and quantity depending on the demand and supply structures from aggregate to disaggregate unit level.
- 3. Learn how various economic agents such as, consumers; firms etc. behave rationally to optimize their goals given the economic resources.
- 4. Understand the short run and long run behaviour of firms in a given demand condition under perfectly competitive set up.
- 5. Understand nature, construction and measurement of key macroeconomic variables.
- 6. Understand the measurement of different components of national income and its importance as an indicator of human wellbeing.
- 7. Gets an idea regarding the determination of income in short run and long run with essential impacts of fiscal and monetary policy variables in different macroeconomic set up (Classical and Simple Keynesian and Complete Keynesian).

Sl	Course Topic	Teacher	Class- hour	Remarks*
Jul,2017	1. INTRODUCTION:	EH	8	
ŕ	Nature and scope, Scarcity and choice, Concepts of			
	demand and supply-Demand function, Supply function,			
	Market equilibrium.			
	5. PERFECT COMPETITON:	NS	8	
	Features, Short run and long run equilibrium of the			
	firm.			
	1. Macroeconomic Data:	AKR	9	
	Macroeconomic Data: National Income accounting –			
	GDP, GNP, NNP, NI, DPI.			
Aug,2017	1. INTRODUCTION:	EH	8	
	Impact of changes in demand and supply, Price system			
	as an economic mechanism.			
	5. PERFECT COMPETITON:	NS	8	
	Short run supply function, Industry equilibrium, Long			
	run industry supply with or without external economies			
	or diseconomies.			
	1. Macroeconomic Data:	AKR	8	
	Different methods of Calculating NI.			
Sep,2017	2.CONSUMER BEHAVIOUR:	EH	6	
	Assumptions on preference ordering, Indifference			
	curve, Budget constraint and Consumer's equilibrium,			
	Substitution effect (Hicks & Slutsky) and Income			
	effect.			
	The Economy in the Long run:	NS	6	

	T=	1		1
	The classical Analysis of the real sector –Determination			
	ofmployment, income and interest rate.			
	1. Macroeconomic Data:	AKR	6	
	Measurement of cost of living – CPI, GDP Deflator;			
	Measuring Joblessness – Unemployment rate,			
	Unemployment and GDP –Okun's Law.			
Oct,2017	2.CONSUMER BEHAVIOUR:	EH	2	
	Ordinary and Compensated demand curves, Inferior			
	goods and Giffen goods.			
	The economy in the Short run:	NS	2	
	Simple Keynesian analysis of aggregate demand with			
	or without govt. sector,			
	1. Macroeconomic Data:	AKR	2	
	NI as a measure of economic welfare.			
Nov,2017	2.CONSUMER BEHAVIOUR:	EH	7	
1407,2017	Price consumption and income consumption curves,		'	
	Derivation of labour supply and intertemporal choice,			
	Saving and borrowing. Revealed Preference – the weak			
	axiom and substitution effect.			
	3. DEMAND AND SUPPLY:			
	Market equilibrium.	NG	0	
	Multipliers, IS-LM analysis, Fiscal policy and	NS	8	
	Monetary policy.			
	Introduction to economic fluctuation. Impact of shift of	AKR	7	
	aggregate demand curve both in the shortrun and in the			
	long run.			
Dec,2017	3. DEMAND AND SUPPLY:	EH	7	
	Stability of equilibrium, Elasticities of demand and			
	supply, Consumer's and producer's surplus.			
	IS-LM analysis in the shortrun and longrun.	NS	6	
	Impact of shift of aggregate demand curve	AKR	6	
	both in the shortrun and in the long run.			
Jan,2018	3. DEMAND AND SUPPLY:	EH	7	
	Burden of indirect taxes and subsidies, Price and			
	quantity controls, Minimum wage, Import tariff and			
	quota.			
	The complete Keynesion Model: A three sector model	NS	7	
	taking into consideration of product market, money	- 1.2		
	market and labour market.			
	Impact of shift of aggregate demand curve both in the	AKR	6	
	shortrun and in the long run.	THE		
Feb,2018	4. PRODUCTION AND COST:	EH	8	
100,2016		1211	0	
	Production function, Total, Average and Marginal			
	products, Isoquants and economic regions of			
	production, Cost minimization and expansion path,			
	Elasticity of substitution, Economies of scale. Cobb			
	Douglas, Fixed coefficient and CES functions, Short			
	run and long run costs .	NC	0	
	The complete Keynesion Model: A three sector model	NS	8	
	taking into consideration of product market, money			
	market and labour market.			ļ
	Impact of shift of aggregate demand curve both in the	AKR	7	
	shortrun and in the long run. Derivation of the cost			

	function from production function.		
Mar,2018	REVISION	EH	7
	REVISION	NS	7
	REVISION	AKR	7
Apr,2018	REVISION	EH	7
	REVISION	NS	7
	REVISION	AKR	8
May,2018	REVISION	EH	2
	REVISION	NS	3
	REVISION	AKR	3
	Total		208

#### Books:

- 1. Maddala & Miller Microeconomics
- 2. Ferguson & Gould Microeconomics Theory
- 3. Varian Intermediate Microeconomics (3rd edition
- 4. Henderson & Quandt Microeconomic Theory- A Mathematical
- 5. Pindyck & Rubinfeld Microeconomics
- 6. Mankiw Macroeconomics (5th Edition)
- 7. Dornbusch, Fischer and Startz Macroeconomics (8th Edition
- 8. Branson Macroeconomics Theory and Policy (2nd Edition)
- 9. Archibold and Lipsey: A Mathematical Treatment of Economics

# Lesson Plan for Course:Paper-2 Marks:100

Course coordinator: Ekbal Hossain

# **Course Outcome:**

After successful completion of this course students will be able to:

- 1. Perceive the characteristics of sample data using various methods of statistical measurements.
- 2. Understand the comparability, consistency, spreadness/concentration among different sets of sample data.
- 3. Understand the degree and the direction of association in bivariate setup.
- 4. Understand the transmission of basic mathematics that enables the creation of economic theory in general.
- 5. Understand the application of mathematical techniques to economic theory in general.

Sl	Course Topic	Teacher	Class-	Remarks*
			hour	
Jul,2017	Statistical data, Classification and presentation.	EH	8	
	Set Operations	NS	8	
	Index number, Fixed Base and Chain Base Index –	AKR	9	
	Laspeyres, Paasche, Fisher.			
Aug,2017	Population and sample, Collection of data, Variable	EH	8	
	and attribute, Frequency distribution.			

REVISION	AKR	3	
Total		208	

#### Books:

- 1. N.G. Das Statistical Method
- 2. Nagar & Das Basic Statistics
- 3. Goon, Gupta & Dasgupta Basic Statistics
- 4. Chiang & Wainwright Fundamental Methods of Mathematical Economics
- 5. Mukherji & Pandit Mathematical Methods of Economic Analysis
- 6. Mehta & Madnani Mathematics for Economists
- 7. Archibald & Lipsey- A Mathematical Treatment of Economics

# Lesson Plan for Course:Paper-3

Marks-100

Course coordinator: A.K.Roy

• Course Outcome

After successful completion of this course students will be able to:

- 1. Acquire knowledge regarding the short run and long run behaviour of firms in a given demand condition under different imperfectly competitive market set up.
- 2. Understand how to determine optimal price and employment of an input in different market structures and the role of the labour union in determining wage rates.
- 3. Check whether the independent action by each economic agent is consistent while there is interdependence among the economic agents.
- 4. Know how choice in the face of risk differs from choice in the absence of risk, how to measure and reduce risk.
- 5. Understand the microeconomic foundation of various aggregative concepts used in the previous course.
- 6. Understand the causes and effects of different types of inflation and inflation-unemployment tradeoff in an economy.
- 7. Recent development in macroeconomic concepts with special reference to Real Business Cycle and New Keynesian Economics.

Sl	Course Topic	Teacher	Class-	Remarks
			hour	
Jul,2017	1. Monopoly and Monopolistic Competition:	AKR	13	
	a) Monopoly: Sources of monopoly power, Index of			
	monopoly power, Equilibrium with single plant,			
	multiple plants, Price discrimination, Constrained			
	revenue maximisation, Natural monopoly, Effects of			
	different types of location, Dead-weight loss of			
	monopoly.			
	1.Microfoundation of Macro behaviour:	NS	12	
	(i) Consumption function: Keynes and the			

	consumption function, Secular stagnation & the			
	consumption puzzle, Inter-temporal choice, Permanent			
	income hypothesis and lifecycle hypothesis.			
Aug,2017	1. Monopoly and Monopolistic Competition:	AKR	12	
C,	b) Monopolistic Competition: Features, Short-run &			
	Long-run equilibrium, Excess Capacity.			
	1.Microfoundation of Macro behaviour:	NS	12	
	(ii) Investment function: Fixed investment; The	140	12	
	· /			
	neoclassical approach, Tobin's q, Residential			
	investment, Accelerator model of investment.			
Sep,2017	2. Oligopoly:	AKR	9	
	Conjectural Variation & Reaction functions, Analysis			
	of Cournot & Stackelberg Collusive Oligopoly &			
	Prisoners' dilemma in cartel stability, Nash			
	equilibrium of game.			
	1.Microfoundation of Macro behaviour:	NS	9	
	(iii) Demand for Money: Transaction demand for	112		
	money, Precautionary demand for money, Speculative			
	demand for money, The Regressive Expectations			
	Model, The portfolio balance approach, The Baumol-			
	Tobin models of Cash Management, Money as a			
	consumer's and producer's good.		_	
Oct,2017	3. Factor Pricing:	AKR	3	
	Derived demand for a single input & multiple input in			
	competitive market, Firm demand & industry demand.			
	1.Microfoundation of Macro behaviour:	NS	3	
	(iv) The supply of money: Definitions of Money			
	supply (M <sub>1</sub> , M <sub>2</sub> , M <sub>3</sub> , M <sub>4</sub> ), Credit creation by			
	commercial banks, Money multiplier, Instruments of			
	monetary policy.			
Nov,2017	3. Factor Pricing:	AKR	11	
1407,2017	G	AIXIX	11	
	Derived demand for a single input & multiple input			
	imperfectly competitive markets, Firm demand &			
	industry demand, Adding up problem, Collective			
	bargaining & exploitation, Rent & Quasi-rent.			
	A T G 49		11	
	2. Inflation:-	NS	11	
	2. Inflation:- Definition and functions of money, Quantity theory of	NS	11	
		NS		
	Definition and functions of money, Quantity theory of	NS	11	
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and	NS AKR	9	
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics:			
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in			
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition,			
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure.	AKR	9	
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure.  2. Inflation:-			
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure.  2. Inflation:- The fisher effect, Future money and current prices,	AKR	9	
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure.  2. Inflation:- The fisher effect, Future money and current prices, The social costs of inflation.	AKR	9	
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure.  2. Inflation:- The fisher effect, Future money and current prices, The social costs of inflation. 3. Aggregate supply and Phillips curve:	AKR	9	
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure.  2. Inflation:- The fisher effect, Future money and current prices, The social costs of inflation.	AKR	9	
Dec,2017	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure.  2. Inflation:- The fisher effect, Future money and current prices, The social costs of inflation. 3. Aggregate supply and Phillips curve:	AKR	9	
Dec,2017  Jan,2018	Definition and functions of money, Quantity theory of money, Money, prices and inflation, Inflation and interest rates.  4. Welfare Economics: Conditions of Pareto optimality in pure exchange & in production, Optimality of perfect competition, Externalities & market failure.  2. Inflation:- The fisher effect, Future money and current prices, The social costs of inflation. 3. Aggregate supply and Phillips curve: Inflation, unemployment and Phillips curve, Shift of	AKR	9	

	risk, the demand for Risky assets-the trade-off between Risk & Return.			
	3. Aggregate supply and Phillips curve:	NS	10	
	Causes of inflation, Disinflation and sacrifice ratio,			
	Rational expectation and painless disinflation.			
	4. Recent Developments in Macroeconomics:			
	Rational expectations, Real business cycle, New			
	Keynesian Economics.			
Feb,2018	REVESION	AKR	12	REVISION
	REVESION	NS	11	REVISION
Mar,2018	REVESION	AKR	11	REVISION
	REVESION	NS	10	REVISION
Apr,2018	REVESION	AKR	11	REVISION
	REVESION	NS	11	REVISION
	Total Class:200		200	

#### Books:

- 1. Pindyck&Rubinfeld
- 2. Dominick Salvatore
- 3. Handerson&Quandt
- 4. Maddla& Miller
- 5. Mankiw: Macroeconomics (6th edition)
- 6. W.H. Bon- Macroeconomic Theory & Polity (2nd edition)
- 7. Dornbusch, Fischer & Startz- Macroeconomics (9th edition)
- 8. SoumyenSikdar Macroeconomics

# **Lesson Plan for Course: Paper-4**

Marks-100

- Course coordinator: Niladri Saha
- Course Outcome

After successful completion of this course students will be able to:

- 1. Understand alternative conception of development and their justification.
- 2. Learn about various stages of growth along with various theories and models and strategy of growth.
- 3. Understand the basic demographic concepts and their evolution during the process of development along with various theories and model explaining the problems of a labour surplus economy
- 4. Learn different measures of poverty and inequality and explore the connection between growth and inequality.
- 5. Link the environment issues related with economic development and the question of sustainable development.
- 6. Understand how trade causes economic development for Less Developed Countries (LDCs), particularly with reference to the issues of Balance of Payment, economic dependency of LDC in terms of different theories.
- 7. Understand the arguments in favour of protection and how different types of trade protectionist measures affect social welfare of LDCs.

8. Interpret how inflow of foreign capital in terms of Multi National Corporations (MNCs) affects the economic development of host LDCs.

- 9. Explore the debate between state and market in solving the fundamental economic problems of an economy and how they address the issue of social welfare.
- 10. Understand the development of different International Financial Institutions like IMF, World Bank, WTO etc. and their functioning with special reference to LDCs.

Course pla	<u>nner</u>	_	<u>Course planner</u>					
Sl	Course Topic	Teacher	Class-	Remarks*				
			hour					
Jul,2017	1. Trade and Development:-	NS	8					
	(a) Trade as an engine of growth – The historical							
	perspective, Static and dynamic gains from trade,							
	Trade as a rent for surplus, Some criticisms of							
	Traditional Free Trade Theory in the context of the							
	experience of developing nations							
	(b) Arguments for protection – The Infant industry							
	argument for tariff protection							
	1.MEANING OF DEVELOPMENT:	EH	17					
	Issues of Economic development – Traditional							
	approach (Economic & non-economic – Per capita							
	income, Physical quality life index, Basic needs							
	approach, Sustenance, Self esteem, Freedom from							
	servitude) - Capability approach – Human							
	development index – Gender related development							
	index.		_					
Aug,2017	1. Trade and Development:-	NS	8					
	(c) Terms of Trade and Economics Development –							
	various terms of trade (net barter and income terms							
	of trade) – Prebisch-Singer thesis and terms of trade							
	debate							
	(d) Alternative Industrialisation Strategy for							
	developing nations – Import Substitution and Export							
	promotion.							
	2. STAGES OF GROWTH:	EH	16					
	Rostow and Marx in comparison with Rostow							
	3. SOURCES OF ECONOMIC GROWTH:							
	(i) Labour: Demographic issues, Theory of							
	demographic transition, Trap models and their							
	criticism (Nelson's and Leibenstein's models may be							
San 2017	discussed in brief.)	NIC	6					
Sep,2017	1. Trade and Development:-	NS	6					
	(e) Multinational Corporations and Foreign Direct Investment – FOI and FPI; Two main forms of FDI							
	(Greenfield investment & merger or acquisition); MNCs – main features, implications for the host							
	nations; Foreign aid.							
	3. SOURCES OF ECONOMIC GROWTH:	EH	12					
	(ii) Capital: Capital accumulation, Capital-output	1511	14					
	ratio, Technological progress - Concepts of Hicks,							
	ratio, reciniological progress - Concepts of fileks,	<u> </u>						

•	•			
	Harrod, Solow, Neutral Technological progress.			
	4. PROBLEMS OF LABOUR SURPLUS			
	ECONOMY:			
	Lewis model and its criticism, Nurkse's idea of			
	disguised saving potential, Concept of labour surplus			
	(disguised unemployment), Sen's Model Labour			
	migration and Harris-Todaro model.			
Oct,2017	(2) Development and Underdevelopment as a	NS	2	
	historical process:-			
	(a) Dependency theory of Baran and Frank			
	5. DEVELOPMENT STRATEGY:	EH	4	
	Balanced vs. unbalanced growth, Choice of			
	technique in labour surplus economy.			
Nov,2017	(2) Development and Underdevelopment as a	NS	7	
	historical process:-			
	(b) The concept of unequal exchange			
	(3) Planning for Development:-			
	Rationale for planning.			
	5. DEVELOPMENT STRATEGY:	EH	15	
	Balanced vs. unbalanced growth, Choice of			
	technique in labour surplus economy.			
Dec,2017	(3) Planning for Development:-	NS	6	
	The instances of market failure and the role of state;			
	Govt. failure and Resurgent preference for markets			
	over planning; Decentralisation			
	6. POVERTY INEQUALITY AND STANDARD	EH	13	
	OF LIVING:			
	Measurement and issues, Lorenz curve, Gini			
	Coefficient, Headcount index, Poverty gap,			
	Inequality and development, Sen's Index.			
Jan,2018	(4) Evolution of the International Economy:-	NS	7	
, ,	The origin, objectives and functions of IMF and			
	World Bank; The Third World Debt crisis and the			
	structural adjustment policies adopted by IMF; The			
	new International Economic Order			
	7. THE ENVIRONMENT AND	EH	13	
	DEVELOPMENT:		10	
	Sustainable development, common property			
	resources (tragedy of the commons), Kuznet's curve.			
Feb,2018	REVISION	NS	8	REVISION
,=010	REVISION	EH	15	REVISION
Mar,2018	REVISION	NS	7	REVISION
.7141,2010	REVISION	EH	14	REVISION
Apr,2018	REVISION	NS	7	REVISION
-1ρι,2016	REVISION	EH	15	REVISION
		EH		KEVISION
	Total		200	

**Marks**:100

### Books:

- 1. Meier: Leading Issues in Economic Development
- 2. Todaro& Smith: Economic Development
- 3. Hayami- Development Economics
- 4. Debraj Roy Development Economics
- 5. Thirlwall; Growth and Development with special reference to Developing Economics (8th edition)
- 6. Sodersten& Read; International Economics (3rd edition)

# Lesson Plan for Course:Paper-5

• Course coordinator: Niladri Saha

## • Course Outcome

On successful completion of this course students will be able to:

- 1. Understand the basis of trade between nations of the world, the notion of terms of trade and how free trade can be mutually beneficial for the trading nations in terms of the Classical and Neo-Classical theories of trade by exploring the idea of comparative cost advantage.
- 2. Evaluate the relationship between country size and gains from trade and how trade affects distribution of factor income among the trading nations.
- 3. Be familiar with, and be able to critically analyze the main arguments for protection and be able to critically evaluate the relevance and realism of arguments for free trade, taking into account the costs and benefits of different trade policy measures like tariff, quota, voluntary export restraints, export subsidy etc. on economic welfare of the nation.
- 4. Explain how international flow of goods, services and capital affects foreign exchange reserve as well as foreign exchange rate of a nation and how expenditure adjustment and expenditure switching trade policies help a nation to achieve both internal and external balance.
- 5. Understand the role of state in a mixed economy
- 6. Be familiar with different principles of taxation of the government and its impact on saving, risk bearing and work effort of economic agents
- 7. Distinguish between different concepts of deficit in government budget and how public debt can impose burden on a society

SI	Course Topic	Teacher	Class- hour	Remarks*
July	GROUP – A: INTERNATIONAL ECONOMICS 1.	NS	25	
2017	The Theory of comparative Advantage and gains			
	from Trade:-			
	a. The concept of Production possibility curve (PPC)			
	and community indifference curve—autarky			
	equilibrium			
	b. Gains from trade and its decomposition into gains			

		1	T	,
	due to exchange and gains due to specialisation.			
	c. Adam Smith and Absolute advantage theory of			
	trade.			
	d. David Ricardo and the theory of comparative			
	advantage – The concept of opportunity cost,			
	Derivation of PPC of trading nation with constant			
	opportunity cost, Gains from trade; Determining the			
	relative price of tradables after trade in terms of			
	relative demands and relative supply curves,			
	Derivation of world PPC, country size and gains from			
	trade, limitations of the Ricardian model.			
	e. Offer curve – Definition, Derivation of offer curve,			
	Determination of elasticity of offer curve at a point on			
	offer curve, Determination of free trade Terms of			
	Trade. Concept oftrade indifferent curve only,			
	Ricardian offer curve	110	24	
Aug	GROUP B: PUBLIC FINANCE 1. Economic Role	NS	24	
2017	of the State: Public goods and market failure,			
	Distinction between private goods and public goods,			
	Samuelson's solution for the optimal provision of			
	public goods, Lindahl's Equilibrium for optimal tax			
	sharing, Free rider problem, Justification of			
	Government expenditure in defense, education, health,			
	infrastructure.			
Sept	<b>GROUP B: PUBLIC FINANCE</b> 2. Principles of	NS	18	
2017	Taxation: Ability to pay and benefit approaches,			
	Horizontal and vertical equity.			
	3. Direct and indirect Taxation: Effect of Income tax			
	on work effort, Saving and risk bearing, Incidence of			
	sales and excise tax – excess burden of indirect			
	taxation, value added tax.			
	4. Public debt: Internal and external burden- Different			
	concepts of deficit in Government's budget – Burden			
	of internal public debt, Burden of public debt on future			
	generation, External public debt, comparison of			
	internal and external public debt.			
Oct	GROUP - A: INTERNATIONAL ECONOMICS	NS	6	
2017	2. Comparative Advantage in the Heckscher-Ohlin			
	Trade model:			
	a. The basic assumptions of the modelFactor			
	abundance defined in physical terms and by factor			
	price			
Nov	GROUP – A: INTERNATIONAL ECONOMICS	NS	22	
2017	2. Comparative Advantage in the Heckscher-Ohlin			
	Trade model:			
	b. Heckscher – Ohlin Theorem (Statement & Proof in			
	terms of physical and price definition of factor			
	abundance)			
	c. A comparison of comparative advantage in the			
	Ricardian and in the Heckscher-Ohin Trade model.			
	3. Commodity and Factor prices under trade –			
	<u> </u>	1	1	1

	EA			
	Factor price Equalisation:			
	a. Factor price equalization theorem, Basic concept of			
	factor intensity reversal.			
	b. Empirical testing of H-O theorem : - Leontief			
_	paradox		10	
Dec	GROUP – A: INTERNATIONAL ECONOMICS 4.	NS	19	
2017	<b>Instruments of Restrictive trade:</b>			
	a. Effect of tariff (import duty) and quota – some			
	partial aspects			
	b. Tariff versus Quota and their equivalence			
	c. Effective rate of protection			
Jan	GROUP – A: INTERNATIONAL ECONOMICS 5.	NS	20	
2018	Tariff under optimal market conditions:-			
	a. Tariffs and income distribution: The Stolper –			
	Samuelson theorem			
	b. Tariff, the terms of trade and domestic prices – the			
	Metzler's paradox (concept only)			
	c. Tariff and the national income – the optimum tariff.			
	6. The Balance of payment: (BOP)			
	a. BOP accounting principles; Current and capital			
	account transaction, Statistical discrepancy			
	b. Equilibrium and Disequilibrium in the BOP –			
	autonomous and accommodating transactions			
Feb	GROUP – A: INTERNATIONAL ECONOMICS 8.	NS	23	
2018	Theory of Exchange Rate, Devaluation and Trade			
	Balance:			
	a. Imports, Exports and foreign exchange market -			
	demand – supply framework.			
	b. Different types of exchange rate system, fixed and			
	flexible (clean or managed float)exchange system.			
	(Concepts only)			
	c. The working of fixed and flexible exchange rate			
	system with special reference to – (i) foreign exchange			
	risk, (ii) Inflation.			
	d. Concept of Internal and external balance - The swan			
	diagram – Expenditure switching and expenditure			
	adjustment policies – Marshall – Lerner condition for			
	successful devaluation of home currency. (Statement			
	and implication only, no rigorous proof is required)			
March	REVISION	NS	21	
2018	IND VIBIOIN	INO	21	
2010	Total Class:178	J	178	
	Total Class.170		1/0	

## **Books:**

- 1) Caves, Frankel & Jones World Trade and Payments (9th Edition)
- ii) Salvatore International Economics (8th Edition)
- ii i) Krugman & Obstfeld: International Economics Theory and Policy (8th Edition)
- iv) Sodersten-International Economics (2nd Edition)
- v) Musgrave & Musgrave Public finance in theory & Practice [2004]

- (vi) Due & Friedlaender Govt. Finance (1897)
- (vii) Maddala & Miller Microeconomics
- (viii) S.R. Chakraborty Microeconomics
- (ix) Ambar Ghosh & Chandana Ghosh The Economics of PublicSctor [2008]
- (x) Ulbirch Public finance (2004) (on justification of Govt. Exp.)

# **Lesson Plan for Course:Paper-6**

• Course coordinator: EKBAL HOSSAIN

#### • Course Outcome

After going through the course, the students will be able to:

- 1. Evaluate how the structure of Indian economy has changed in the planning era.
- 2. Understand the key economic issues related to Indian agriculture, industry, unemployment and poverty in both pre and post reform periods and their policy relevance.

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Marks:100

- 3. Understand the rational and major objectives of India's Five Year Plans, how the emphasis of these objectives has changed over time and recent developments.
- 4. Examine the changes in the policies of the Government in pre and post reform periods in the fields of money and capita market, public economics and external sectors.

Sl	Course Topic	Teacher	Class-	Remarks*
			hour	
July	1. Structure of Indian Economy: Changes in the pattern of	EH	25	
2017	inter sectoral distribution of national income, changes in			
	the pattern of occupational structure.			
Aug	2. Agriculture: Farm size and productivity- controversial	EH	24	
2017	Indian experience, Marketable Surplus and Marketed			
	Surplus of food grains, prices and average elasticity of			
	Marketed Surplus . Different aspects of New Agricultural			
	Strategy (Green Revolution)-output, employment and			
	distribution of income & wealth. Land Reforms. Food			
	security and government intervention in food grains.			
	Problems of Institutional Credit in Indian agriculture.			
	Impact of globalization in Indian agriculture.			
Sept	3. Growth and Stagnation in Indian Industries.(E). State	EH	18	
2017	initiative in industrialization. Evaluation of Industrial			
	policies including Licensing Policies, Role, Performances			
	and Weaknesses of Public Sector Industries. New			
	Industrial policy in the post- globalization era.			
	Disinvestment Policy.			
	4. Unemployment and Poverty: Nature and types of			
	unemployment in India. Problems related to the			
	measurement of Unemployment in India.			
Oct	Problems related to female and child labour in India.	EH	6	
2017	Poverty in India-Different estimates of poverty . Evaluation			
	of different policies and programmes aiming			

	at eradication of poverty.			
Nov	5. Money and Capital Market: Reserve Bank of India and	EH	22	
2017	Indian Money market. Monetary policies in recent years.			
	Relation between Money Market and Capital Market in			
	India. Nationalization of commercial Banks and problems			
	associated with Nationalized Banking Sector. Reforms in			
	Monetary Sector and Capital Market in India.			
Dec	6. Indian Public Finance: Trends problems and Reforms.	EH	19	
2017	Central-State allocation of Financial Resources-			
	Controversies, Recommendation of different committees			
	in resolving this controversy.			
Jan	7. External Sector- Composition, Direction, and Trend in	EH	20	
2018	Foreign Trade. Problems related to the Balance of			
	Payments. EXIM Policies and other recent measures (such			
	as convertibility of rupee) to improve BOP.			
Feb	8. Rationale of Planning and Mixed Economy. Five Year	EH	23	
2018	Plans- Objective, achievement and failure. Financing of			
	Five Year Plans: Special focus on 2nd, 7th and 9th plans.			
March	REVISION	EH	21	
2018				
	Total Class :178		178	

### **Books:**

- 1. Poverty and Development. Pramit Chaudhuri
- 2. Contribution to India's Economic Analysis. Bhagwati & ChGL-1abarty
- 3. Some Problems of India's Economic Policy. Ed. By Charan Wadhva.
- 4. Development Planning; Indian Experiences, S. ChGL-1obarty.
- 5. Planning in India. Desai
- 6. Recent Development and Future Prospect: Ed. By Lucas & Papanek.
- 7. Employment, Technology & Development. A.K.Sen.
- 8. The Indian Economy: Bimal Jalan.
- 9. On Economic Liberalisation. Deepak Nayar.
- 10. Planning for Industrialisation. Bhagwati & Desai.
- 11. Political Economy of Indian Agriculture. Ashok Rudra.
- 12. Essays in Honour of Manmohan Singh. Montek S. Ahluwalia.

# **Lesson Plan for Course:Paper 7**

#### Marks:100

- Course coordinator : Asok Kr Roy
- Course Outcome

After going through the course, the students will be able to:

- 1. Learn conception and definitions of various statistical terms, rules and theorems along with the application of various univariate probability distribution functions.
- 2. Gather experience how to select samples from a population.
- 3. Learn how to draw inferences about an unknown population with the help of sample observations.
- 4. After going through the course, the students will be able to

- 5. Know the application of the mathematical tools such as: integration, differential equation, difference equation, Cramer' rule, matrix inversion to the economic analysis.
- 6. Understand the economic interpretation of duality theorem.
- 7. Evaluate how economic agents optimize their goals while they are interdependent.

Course	<u>Course planner</u>					
Sl	Course Topic	Teacher	Class- hour	Remarks*		
July	PROBABILITY THEORY AND DISRIBUTION:	AKR	25			
2017	(i) Elements of Probability Theory: Sample space &					
	events, Meaning of probability, Classical definition,					
	Addition rule, Multiplication rule, Theorems of total					
	probability – Mutually and non-mutually exclusive					
	events, Conditional and statistical independence,					
	Limitations of the classical definition, An axiomatic					
	approach, Bayes' formula, Random variables, Probability					
	mass and density functions, Marginal and conditional					
	distributions, Expectations and variances of random variables					
Aug	ELEMENTARY SAMPLING THEORY:	AKR	24			
2017	Populations and sample, Parameter and statistic, Random					
	sampling, Practical methods of drawing random samples,					
	Random sampling measures, Sampling distribution of					
	expectation and standard error.					
Sept	CLASSICAL STATISTICAL INFERENCE:	AKR	18			
2017	Basic concepts of Estimation, Desirable properties of					
	estimators, Unbiasedness, Minimum variance, Simple					
	methods of point estimation, Confidence interval, Testing					
	of hypothesis, P-value, Type 1 and Type 2 errors, Simple					
	application of tests for mean and variance of a Univariate					
0.4	normal population	A1/D				
Oct 2017	1. Static equilibrium analysis and comparative statics:	AKR	6			
2017	Meaning of partial and general equilibrium, Comparative					
	static analysis using Cramer's rule.  Applications: Simple Keynesian and IS-LM models,					
	Rybczynski theorem and Stolper – Samuelson theorem.					
	2. Integration and dynamic analysis:	AKR	22			
	a. Techniques of integration (definite and indefinite	ANN	22			
	integral)					
	Applications: from marginal function to total function,					
	consumer's surplus, producer's surplus, investment and					
	capital formation, present value.					
Dec	2. Integration and dynamic analysis:	AKR	19			
2017	b. First order and second order differential equations:					
	Applications: Time path of price and quantity in					
	competitive markets, time path of income in simple					
	Keynesian model, Stability analysis, Time path of					
	inflation and unemployment rates, Solow growth model.					
	c. First order and second order difference equations:					
	Applications: Cobweb model, Market model with					
	inventory, Samuelson's multiplier – accelerator					

	interaction model, inflation and unemployment in discrete			
	case.			
Jan	3. Input – output analysis:	AKR	20	
2018	A two sector Leontief static open model, Assumptions,			
	Output solutions, Hawkins –Simon conditions and its			
	economic interpretations, Linear programming			
	interpretation, Consumption possibility Locus, Price			
	system in LSOM.			
	4. Linear Programming (LP)			
	The LP problem, Duality and economic interpretation,			
	simplex method, complementary slackness relationship of			
	primal and dual.			
	Application: Diet problem, Transportation problem			
Feb	5. Game Theory:	AKR	23	
2018	Game Theory – Structure of Game, Pay off matrix, Two			
	person zero sum game, saddle point, Pure strategy, Mixed			
	strategy.			
Marh	REVISION	AKR	21	
2018				
	Total Class :178		178	

## **Books:**

- (i) Mathai & Rathi Probability and Statistics
- (ii) Nagar & Das Basic Statistics
- (iii) N.G. Das Statistical Methods, (Vol II) [2005]
- (iv) Henderson & Quandt Microeconomic Theory (3rd edition)
- (v) Dorfman, Samuelson & Solow-Linear Programming & Economic Analysis-
- (vi) Pindyck and Rubinfield Micro economics
- (vii) Varian Intermediate Micro economics.

# **Lesson Plan for Course:Paper-8**

**Course Outcome** 

Indian economy.

• Course coordinator: Asok Kr Roy

1. On successful completion of this course students will be able to understand the impact of British rule and the British imperial policy in India in the pre-independence period with special reference to the issues of deindustrialization, commercialization of agriculture, drain of economic wealth, land revenue policy, development of railways and irrigation

Marks:100

- and foreign trade.

  2. It will also enable the students to understand the comparative structural changes of
- 3. On successful completion of this course students will have hands on experience in data entry, analysis of data in terms of charts, diagrams and statistical measures through computers using statistical soft-wares both for primary and secondary data that will prepare students to handle data and project reporting.
- 4. On successful completion of this course students will have idea on presenting small research work on a specified manner on different contemporary socio-economic issues by applying research methodology, process of data presentation and economic analysis,

preparation of dissertation. It will prepare the students for concise form of presentation in their future academic and job assignments.

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Course planner

Sl	Course Topic	Teacher	Class- hour	Remarks*
July	GROUP B: PROJECT WORK	AKR	17	
2017	INDIAN ECONOMIC HISTORY	EH	8	
	Impact of British rules with special reference to (i) De-			
	industrialization (ii) Commercialization of agriculture (iii)			
	Economic drain.			
Aug	GROUP B: PROJECT WORK	AKR	16	
2017	INDIAN ECONOMIC HISTORY	EH	8	
	1. Aspect of British Imperial policy: i) Land policy, ii)			
	Railways & irrigation iii) Policy of discriminating protection			
Sept	GROUP B: PROJECT WORK	AKR	12	
2017	COMPUTER APPLICATION	EH	6	
	1. Basics of computer application in economics			
	2. Operating systems, data entry			
Oct	GROUP B: PROJECT WORK	AKR	4	
2017	COMPUTER APPLICATION	EH	2	
	3. Use of application software for solving statistical and			
	quantitative problems in economics.			
Nov	GROUP B: PROJECT WORK	AKR	15	
2017	. COMPUTER APPLICATION	EH	7	
	3. Use of application software for solving statistical and			
	quantitative problems in economics.			
Dec	GROUP B: PROJECT WORK	AKR	13	
2017	COMPUTER APPLICATION	EH	6	
	3. Use of application software for solving statistical and			
	quantitative problems in economics.			
Jan	GROUP B: PROJECT WORK	AKR	13	
2018	COMPUTER APPLICATION	EH	7	
	3. Use of application software for solving statistical and			
	quantitative problems in economics.			
Feb	REVISION	AKR	15	
2018	REVISION	EH	8	
Mar	REVISION	AKR	14	
2018	REVISION	EH	7	
	Total Class:178			

# Resources:

#### Books:

- i) Dharma Kumar (ed.) Cambridge Economic History [Vol II]
- ii) V. B. Singh (ed.) Economic History of India
- iii) Dhires Bhattacharyya A Concise Economic History of India
- iv) Amiya Bagchi Private Investment in India (1800-1839)
- v) Computers Today: D.H. Sanders

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vi) Analysis of Economic Data: Gary Koop