

RAMAKRISHNA SARADA MISSION VIVEKANANDA VIDYABHAVAN
LESSON PLAN - ECONOMICS DEPARTMENT-
KABITA NATH

1ST semester, 2018-19

JULY

PAPER AND GROUP	TOPIC	NO OF LECTURES
Core Course –I INTRODUCTORY MICROECONOMICS	Exploring the subject matter of Economics Why study economics? Scope and method of economics, The question of what to produce, how to produce and how to distribute output	3
	The economic problem, Scarcity and choice, Distinction between Micro and Macro economics,	2
	Property rights and profits, incentives and information, rationing, opportunity sets, economic system	2
	The competitive model, prices	1
	Supply and Demand: How markets work, Markets and Welfare Markets and competition; determinants of individual Demand and Supply, Demand/Supply schedule and curve	2
	Demand and Supply together, shifts in the demand and supply curve, how prices allocate resources. Market versus individual demand/supply	2
	Concept of Elasticity	2

AUGUST

PAPER AND GROUP	TOPIC	NO OF LECTURES
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Core Course –I INTRODUCTORY MICROECONOMICS	Supply and Demand: How markets work, Markets and Welfare	
	Concept of Elasticity and its application,	2
	Controls on prices, taxes and the costs of taxation	2
	Consumer surplus, producer surplus and the efficiency of the market	2
Core Course – II MATHEMATICAL METHODS FOR ECONOMICS- I	Production and Cost:	
	Production function, Total, average and marginal products	2
	Isoquants and economic regions of production	3
	Single variable optimization	
	Geometric properties of functions: convex functions, distinction between concave and convex functions ; Characterization and Application of concave and convex functions	5

SEPTEMBER

PAPER AND GROUP	TOPIC	NO OF LECTURES
Core Course – II MATHEMATICAL METHODS FOR ECONOMICS- I	Single variable optimization	
	Local and global optima (maxima and minima); geometric characterisation ; characterisation using calculus and applications	3
Core Course –I INTRODUCTORY MICROECONOMICS	Applications: Equilibrium under cardinal utility theory; Maximisation of Revenue and Profit, Minimisation of cost of production in short run	7
	Production and Cost:	
	Cost minimisation and expansion path	2
	Elasticity of substitution, economies of scale	2

OCTOBER

PAPER AND GROUP	TOPIC	NO OF LECTURES
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Core Course –I INTRODUCTORY MICROECONOMICS	Production and Cost	
	Cobb Douglas	3
	Fixed coefficient	1
	CES function	1

NOVEMBER

PAPER AND GROUP	TOPIC	NO OF LECTURES
Core Course –I INTRODUCTORY MICROECONOMICS	Production and Cost	
	Short run and long run costs	1
	Market Structure:	
	Different types of market structures	2
	Perfect competition	3
	Monopoly	2
	Monopolistic competition and oligopoly	3

**DEBASREE BHATTACHARYA
1ST YEAR, 2018-19
SUBJECT-CC1**

MONTH	TOPIC	NO OF CREDITS (Hours)
1. July	The Consumption decision—budget constraint, consumption and income/ price changes, demand for all other goods and price changes	6
2. August	Description of preferences, representing preference with indifference curves	3
	Properties of indifference curve	4
	Consumers optimum choice	1
3. September	Consumers optimum choice—continuation	3
	Income and substitution effects (Hicks and Slutsky)	4
	Ordinary and compensated demand curves	3
4. October	Inferior goods and Giffen goods	2
5. November	Price-consumption and Income-consumption curves	4

SUBJECT-GE

MONTH	TOPIC	NO OF LECTURES
1. July	Marginal utility	1
	Law of Diminishing marginal utility	2
	Derivation of demand curve from MU curve	2
	Consumer surplus	1
2. August	Indifference curve--Definition and characteristics	2
	Budget line	1
	Consumers Equilibrium	1
	Income and substitution effect	2
	Graphical representation of IE and SE	2
3. September	Inferior and Giffen good	2
	Ricardian theory of rent	2
	Modern theory of rent	2
	Quasi-rent	1
	Marginal productivity theory of wages	2
	Role of trade union	1
4. October	Real and monetary interest rate	1
		2
5. November	Loanable theory of interest rate	1
	Gross profit and net profit	
	Difference between profit and other factor incomes	2

INDRANI CHAKRABORTY
1ST YEAR (Hons.), 2018

JULY

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I Core Course – 2	IC: Concepts of ‘limits and continuity’;	3
	‘Derivatives’, ‘Partial derivatives’, Total differential’	4
	Integral	1

August

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I Core Course – 2	IC: Differentiable functions	1
	Applications of differential and integral calculus to study of functions: level curves; slope and curvature of functions, area under a curve etc. Second and higher order derivatives: properties	2
	Expenditure functions and its properties; Shepherd’s Lemma;	1
	Indirect Utility Function; Roy’s Identity;	1
	Slutsky equation and decomposition of price effect	1
	Properties of demand functions, Work-leisure choice	1
	Savings function; Total Average and Marginal Cost and Production	1
		1

September

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I Core Course – 2	IC: Consumption function, saving & Investment function	2
	Revision	2
	Multiple Variable Optimization Free and constrained Optimization; Examples of constrained optimization from consumer and producers theories;	3

	Static and dynamic optimization problems	2
	Equilibrium under cardinal and ordinal utility theory	1

OCTOBER

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I Core Course – 2	IC: Equilibrium under cardinal and ordinal utility theory	1
	Maximization of profit in different market forms	2

November

PAPER AND GROUP	TOPIC	NO OF LECTURES
Core Course – 2	IC: Minimization of cost of production in the long run	2
	Revision	2

1ST YEAR (GE), 2018

JULY

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I DSC -1	IC: What is economics? Scope & method of economics	1
	The economic Problem: scarcity & choice; Distinction between Microeconomics and Macroeconomics	2

AUGUST

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I DSC -1	IC: Concept of Market	1
	Demand & Supply – Market Equilibrium	2

SEPTEMBER

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I DSC -1	IC: Concept & Characteristics of Monopoly Market	2
	Degree of Monopoly Power	1
	Monopolistic Competition: Features & example	1

OCTOBER

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I DSC -1	IC: Oligopoly: Features & example	1
	Revision	1

NOVEMBER

PAPER AND GROUP	TOPIC	NO OF LECTURES
SEMESTER I DSC -1	IC: Revision and Questions discussion	3

RESHMI ROY

Paper CC2	Name of the topic	No. of lectures
July	Definition of a set and discussion of related concepts; Set types;	1
	Operations on Sets	1
	Nested sets; Cartesian product	1
	Definitions; Concepts of 'range', 'domain' and 'mapping';	2
	Explicit and implicit functions; Types of functions and correspondences (polynomial, exponential, logarithmic, power);	1
	Number systems	1
August	Number systems and Concept of Euclidean Space.	1
	Vector spaces: algebraic and geometric properties	2
	scalar products, norms, orthogonality	2
	linear transformations: properties,	3
	matrix representations and elementary operations;	3
September	systems of linear equations: properties of their solution sets; determinants: characterization, properties and applications.	4
	October	Concepts of various types of series (arithmetic, geometric, logarithmic, exponential)
November	Taylor's and McLaurin's series	2
	Brief review of trigonometric functions and associated curves	3