

M.Sc. Honrs Five years

SCHEME OF COURSE AS REVISED ON 12/JULY/2011

(T = Theory Course, IA=Internal Assessment, P = Practical Course)

Semester – 1(July-December)

Course No.	Nomenclature of the paper	Total Marks			Periods per week	
		T	IA	P	T	P
101E	Micro-economics-1	80	20		6	
102E	Macro economics-1	80	20		6	
103E	Mathematics for Economists-1	80	20		6	
104E	Fundamentals of Computer-1	50	20	30	3	3
105E	Communication skills	80	20		6	
Grand Total =500						

Semester – 2(January-June)

Course No.	Nomenclature of the paper	Total Marks			Periods per week	
		T	IA	P	T	P
201-E	Micro-economics-II	80	20		6	
202-E	Macro-economics-II	80	20		6	
203-E	Mathematics for Economists-II	80	20		6	
204-E	Fundamentals of computer-II	50	20	30	3	3
205-E	Basic Accounting for economists	80	20		6	
Grand Total =500						

SYLLABI

(Semester-1)

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101-E

Micro-economics-I

External Marks: 80

Internal Marks: 20

Time: 3 hours

Note: Paper-setter will set nine questions in all. Question no. one will be compulsory which will be from the entire syllabus. It will contain eight short answer type Questions. Students are required to attempt four Questions from the remaining eight questions selecting one from each unit. All questions carry equal marks

- Unit-I Introduction: Definition & nature of economics; Basic Problems of an economy
Fundamental economic Principles: Incremental principle, Marginal Principle, Opportunity cost principle, Time Value of Money
- Unit-II Consumer Behaviour-law of equi-marginal utility; Indifference Curve analysis, Consumer Equilibrium, Revealed Preference, Law of Demand, Elasticity of Demand
- Unit-III Theory of Production-cost& revenue concepts, law of Supply& elasticity of supply; Isoquants & least-cost Combination. Laws of returns& economies of scale
- Unit-IV Markets-firm's equilibrium in Perfect competition, Monopoly, Monopolistic Competition

Suggested Readings

Henderson J. and Quandt R.E(1980):Micro-economic Theory: A Mathematical Approach;McGraw-Hill, New Delhi.

Koutsoyiannis A.(1990): Modern Microeconomics, Macmillan.

Batch G.L.(1977) :Economics Prentice Hall of India,New Delhi.

Heathfield&Wibe(1987):An Introduction to Cost&Production Functions;Macmillan,London.

Samuelson P.A, and Nordham, W.D(1998):Economics,Tata-McGraw Hill,New Delhi.

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102-E

Macro-economics-I

External Marks: 80

Internal Marks: 20

Time: 3 hours

Note: Paper-setter will set nine questions in all. Question no. one will be compulsory which will be from the entire syllabus. It will contain eight short answer type Questions. Students are required to attempt four Questions from the remaining eight questions selecting one from each unit. All questions carry equal marks

Unit-I Nature and scope of macroeconomics:- Introduction to Macro-economic data –circular flow of income- definitions of gross domestic product, gross and net national product, national and personal income, methods of national income accounting.

Unit-II Theories of Employment:,Classical Theory of Employment, Say's Law of Markets ,Keynesian Theory of Employment.

Unit-III Consumption function: psychological law of consumption; Absolute income hypothesis, Life cycle hypothesis and Permanent income hypothesis

Unit-II Functions&limits&continuity.Differentiation,simple derivatives&their economic applications

Unit-III Partial&total derivatives,economic applications;Maxima&minima of functions,economic application of unconstrained&constrained maxima& Minima

Unit-IV Linear Programming,Input-output analysis,Game Theory

Suggested Readings

AC Chaing,K Wainwright: Fundamental Methods of mathematical economics,McGraw-Hill Publishing co.

Sydsaeter K,Hammond.P.J(2002): Mathematics for economic analysis,Pearson Education Asia,Delhi

Henderson J.and Quandt R.E(1980): Micro-economic Theory:A Mathematical Approach;McGraw-Hill,New Delhi

Jain TR,Aggarwal SC,Rana,RK: Basic Mathematics for Economists,VK Publications,Delhi

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104-E Fundamentals of Computers-I

External Marks: 50(Theory)

External Marks: 30 (Practical)

Internal Marks: 20

Time: 3 hours (for theory and practical each)

Note:Paper-setter will set Nine questions in all. Question no. one will be compulsory which will be from the entire syllabus. It will contain five short answer type Questions. Students are required to attempt four Questions from the remaining eight questions.All questions carry equal marks

Fundamentals of Computer: Model of a digital computer, functioning of a digital computer, Historical evolution of computers, classification of computers, Human being vs computer, Input/Output devices. Storage devices, types of software, Application and system software and its functions, time-sharing, multiprocessing, application of computers in commerce, marketing, education and management.

Introduction to Windows : Type of windows, windows as an operating systems, windows explorer, using clipboard, using paintbrush, control panel, installing a printer.

Suggested Readings

Dixit J.B: Computer Fundamentals by P.K. Sinha. B.P.B. publications, New Delhi
Kush, Ashwani and Bharat Bhushan: Basics of Computer, Luxmi Publications, Rohtak



105-E Communication Skills

External Marks: 80

Internal Marks: 20

Time: 3 hours

Note: Paper-setter will set nine questions in all. Question no. one will be compulsory which will be from the entire syllabus. It will contain eight short answer type Questions. Students are required to attempt four Questions from the remaining eight questions. All questions carry equal marks

Unit-I

Introduction-Business Communication: Basic Forms of communicating, Communication models & processes, Effective communication, Theories of Communication; Audience Analysis

Unit-II

- Unit-I Theory of Factor Pricing-Marginal Productivity theory, Modern theory, Rent, wage, profit&interest
- Unit-II Goals of the firm-Baumol, Marris&Williamson's Model
- Unit-III Forms of Imperfect competition: Duopoly-Cournot's Model, Oligopoly- Collusive&non-collusive: Reaction curves, Kinked Demand Model, Theory of games model, Cartels
- Unit-IV Partial&General Equilibrium-Walras model, Leontieff Input Output analysis, Theory of Games, Cobweb model

Suggested Readings

- (1)Henderson J.and Quandt R.E(1980):Micro-economic Theory:A Mathematical Approach;McGraw-Hill,New Delhi
- (2)Koutsoyiannis A.(1990): Modern Microeconomics,Macmillan
- (3)Batch G.L.(1977) :Economics Prentice Hall of India,New Delhi
- (4)Heathfield&Wibe(1987):An Introduction to Cost&Production Functions;Macmillan,London
- Samuelson P.A,and Nordham,W.D(1998):Economics,Tata-McGraw Hill,New Delhi

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202-E

Macro-economics-II

External Marks: 80

Internal Marks: 20

Time: 3 hours

Note: Paper-setter will set nine questions in all. Question no. one will be compulsory which will be from the entire syllabus. It will contain eight short answer type Questions. Students are required to attempt four Questions from the remaining eight questions selecting one from each unit. All questions carry equal marks

Unit-I Aggregate demand, aggregate supply and the price level: the aggregate demand curve; short and long run aggregate supply curves; the aggregate demand-aggregate supply model and its applications to the determination of the price level and real income, and demand management policy; the neo-classical (Solow) growth model.

Unit-II Fluctuations in Value of money: Inflation-Concept, types-Demand pull, and Cost-push, Measurement of Inflation(price-index), Philips Curve, Policy-measures; Deflation-nature, causes, and policy-measures

Unit-III Rate of Interest: Classical, Keynesian and IS-LM Analysis, IS – LM Model :commodity market equilibrium and the IS curve, money market equilibrium and the LM curve, macroeconomic equilibrium and the adjustment process: Monetary & Fiscal Policy co-ordination

Unit-IV Trade Cycles-nature, characteristics and theories of trade cycles-Hicks, Samuelson and Kaldor; Policy-measures

Suggested Readings

Samuelson P.A, and Nordham, W.D(1998): Economics, Tata-McGraw Hill, New Delhi

Karl E. Case, Ray C. Fair: Principles of Macroeconomics, Publisher: Prentice Hall

Edward Shapiro: Macroeconomic Analysis

[Gardner Ackley](#) : Macroeconomic Theory

Soumen Sikdar: Principles of Macroeconomics (Oxford university Press), 1st Edition

Rana&Verma: Macro-economics Analysis

RD Gupta: Keynes&Post-Keynes

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203-E Mathematics for Economists-II

External Marks: 80

Internal Marks: 20

Time: 3 hours

Note: Paper-setter will set nine questions in all. Question no. one will be compulsory which will be from the entire syllabus. It will contain eight short answer type Questions. Students are required to attempt four Questions from the remaining eight questions selecting one from each unit. All questions carry equal marks

Unit-I Analytical geometry-Equation of straight line,circle,conic sections;
Economic applications

Unit-II Series&sequences:Arithmetic,Geometric,Harmonic
progressions,Convergence.Economic applications

Unit-III Integration-rules of integration,by parts,and by substitution,by partial
fractions,integration of logarithmic&exponential functions,evaluation of
areas,Economic applications

Unit-IV Differential equations-solution;homogeneous&non-homogeneous
differential equations,Exact differential equation,Economic applications

Difference equations-Solution,general&particular;Homogeneous&General linear
difference equations with constant co-efficients,economic applications

worksheet links, tables creating and printing graphs. Macros. Using built –in- functions

Suggested Readings.

Kush,Ashwani and Bharat Bhushan: Basics of Computer, Luxmi Publications,Rohtak

Dixit J.B: Computer Fundamentals by P.K. Sinha. B.P.B. publications, New Delhi

PRACTICAL

Time : 3 Hours

MS –Word

MS –Excel

Windows

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Syllabus205-E **Basic Accounting for Economists**

External Marks: 80

Internal Marks: 20

Time: 3 hours

Note: Paper-setter will set nine questions in all. Question no. one will be compulsory which will be from the entire syllabus. It will contain eight short answer type Questions. Students are required to attempt four Questions from the remaining eight questions selecting one from each unit. All questions carry equal marks

Unit-I Introduction:Financial accounting&book-keeping,definition,scope,nature and significance; Accounting concepts&conventions,Double-entry system

Unit-II Journal&ledger,subsidiary books-cash,sale,purchase,return inward,return outward,bills receivable&payable,journal proper,Inventory valuation

Unit-III Trial balance&errors,rectification of errors,Bank reconciliation statement,Negotiable instruments

Unit-IV Preparation of Final accounts,Preparation of trading and profit&loss account,Balance-sheet of sole proprietary business;Raising of capital by a commercial company-Issue of shares

Suggested Readings

Patti,VP:Fundamentals of Accounting,Excel Books,New Delhi

Tulsian,PC: Fundamentals of Accounting,Tata-McGraw-Hill,New Delhi

TP Ghosh:Fundamentals of Accounting:Sultan Chand&sons,New Delhi

Maheshwari,SN,Maheshwari,SK:Fundamentals of Accounting,Vikas Publishing house.

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