Outlines of Syllabi and Course Structure for various Courses

in the Department of Economics 2016-17

Course Structure for B.A. (Hons.) Economics

Semester-I	Semester-II
Economics Core Course 1 : Introductory Microeconomics	**Economics Core Course 3 : Introductory**

UNIT II

The Households The consumption decision budget constraint consumption and income price changes demand for all other goods and price aaoanoo

ECO-C2: Mathematical Methods in Economics–I

Max. Marks: 80 **Time: 3 Hrs.**

Course Description **Credits: 6**

(4 Class Room Teaching + 2 Tutorial)

This is the first of a compulsory two course sequence The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level specifically the courses on microeconomic theory macroeconomic theory statistics and econometrics set out in this syllabus In this course particular economic models are not the ends but the means for illustrating the method of applying mathematical techniques to economic theory in general The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook

Instructions for Paper-setter and candidates:

- The maximum marks for the paper will be The question paper will be of 8 marks and continuous evaluation marks Time allowed will be hours

The paper-setter must put a note in the question paper in this regard.

- There shall be **9** questions in all

  The first question **compulsory** comprising short answer type questions spread over the whole syllabus The candidates are required to attempt questions Each question shall be of **two** marks x

  Rest of the paper shall contain four units Two questions shall be asked from each unit and the candidates shall be given internal choice The candidates shall attempt one question from each unit Each question will carry marks x 6

Course Outline

Unit I

Preliminaries and Functions of one real variable: Logic and proof techniques sets and set operations relations functions and their properties number systems Graphs elementary types of functions quadratic polynomial power exponential logarithmic sequences and series convergence algebraic properties and applications continuous functions characterizations properties with respect to various operations and applications

Unit II

Differentiable Functions and Single-variable optimization: Differentiable functions characterizations properties with respect to various operations and applications second and higher order derivatives properties and applications Geometric properties of functions convex

functions their characterizations and applications local and global optima geometric

Outline:

Ideas of India: Civilization, Colony, Nation and Society

2. Institutions and Processes

2.1 Village, Town and Region

2.2 Caste, Religion and Ethnicity

2.3 Family and Gender

2.4 Political Economy

3. Critiques

COURSE CONTENTS AND ITINERARY

Unit I

Ideas of India: Civilization, Colony, Nation and Society

Embree Ainslie Thomas *Imagining India* Delhi Oxford University Press 8

Chapter Brahmanical Ideology and Regional Identities Pp 7

Cohn Bernard *India: Social Anthropology of a Civilization* Delhi OUP

Chapters 8 7 7 7

2. Institutions and Processes

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Unit III

2.3 Family and Gender

Dube Leela On the Construction of Gender Hindu Girls in Patrilineal India *Economic and Political Weekly*

The first question **compulsory** comprising short answer type questions spread over the whole syllabus The candidates are required to attempt questions Each question shall be of **two** marks x

Rest of the paper shall contain four units Two questions shall be asked from each unit and the candidates shall be given internal choice The candidates shall attempt one question from each unit Each question will carry marks x 6

Course Outline

UNIT I

Exploring the subject matter of Economics Why study economics Scope and method of economics the economic problem scarcity and choice the question of what to produce how to produce and how to distribute output The basic competitive model Supply and Demand How Markets Work Markets and Welfare Markets and competition determinants of individual demand supply demand supply schedule and demand supply curve market versus individual demand supply shifts in the demand supply curve demand and supply together how prices allocate resources elasticity and its application

UNIT II

The Households The consumption decision budget constraint consumption and income price changes demand for all other goods and price changes description of preferences representing preferences with indifference curves properties of indifference curves consumer s optimum choice income and substitution effects labour supply and savings decision choice between leisure and consumption

UNIT III

The Firm and Perfect Market Structure Behaviour of profit maximizing firms and the production process short run costs and output decisions costs and output in the long run Controls on prices taxes and the costs of taxation consumer surplus producer surplus and the efficiency of the markets Imperfect Market Structure Monopoly and anti trust policy government policies towards competition imperfect competition

UNIT IV

Input Markets Labour and land markets basic concepts derived demand productivity of an input marginal productivity of labour marginal revenue product demand for labour input demand curves shifts in input demand curves competitive labour markets and labour markets and public policy

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Readings

Karl E Case and Ray C Fair 7 *Principles of Economics* 8th Edition Pearson Education Inc

Mankiw N Gregory 7 *Economics: Principles and Applications* th edition India edition by South Western a part of Cengage Learning Cengage Learning India Private Limited

Joseph E Stiglitz and Carl E Walsh 7 *Economics* th Edition International Student Edition W W Norton Company Inc New York

Syllabi of B.A. (Hons.) Semester II (under CBCS)

ECO-C3: Introductory Macroeconomics

Max. Marks: 80 **Time: 3 Hrs.**

Course Description **Credits: 6**

(4 Class Room Teaching + 2 Tutorial)

This course aims to introduce the students to the basic concepts of Macroeconomics Macroeconomics deals with the aggregate economy This course discusses the preliminary concepts associated with the determination and measurement of aggregate macroeconomic variable like savings investment GDP money inflation and the balance of payments

Instructions for Paper-setter and candidates:

- The maximum marks for the paper will be The question paper will be of 8 marks and continuous evaluation marks Time allowed will be hours

The paper-setter must put a note in the question paper in this regard.

- There shall be **9** questions in all

The first question **compulsory** comprising short answer type questions spread over the whole syllabus The candidates are required to attempt questions Each question shall be of **two** marks x

Rest of the paper shall contain four units Two questions shall be asked from each unit and the candidates shall be given internal choice The candidates shall attempt one question from each unit Each question will carry marks x 6

Course Outline

Unit- I

Introduction to Macroeconomics and National Income Accounting

Basic issues studied in macroeconomics Measurement of gross domestic product income expenditure and the circular flow Real versus nominal GDP Price indices National income accounting for an open economy

Unit- II

The Closed Economy in the Short Run

Classical and Keynesian systems Assumptions and Key Features of classical economics Simple Keynesian model of income and employment determination IS LM model sector Framework Derivations and Properties Fiscal and Monetary Multipliers

ECO- C4: MATHEMATICAL METHODS IN ECONOMICS -II

Max. Marks: 80 **Time: 3 Hrs.**

Course Description **Credits: 6**

(4 Class Room Teaching + 2 Tutorial)

This course is the second part of a compulsory two course sequence This part is to be taught in Semester II following the first part in Semester I The objective of this sequence is to transmit the body of basic mathematics that enables the study of economic theory at the undergraduate level specifically the courses on microeconomic theory macroeconomic theory statistics and econometrics set out in this Syllabus In this course particular economic models are not the ends but the means for illustrating the method of applying mathematical techniques to economic theory in general The level of sophistication at which the material is to be taught is indicated by the contents of the prescribed textbook

Instructions for Paper-setter and candidates:

- The maximum marks for the paper will be The question paper will be of 8 marks and continuous evaluation marks Time allowed will be hours

  The paper-setter must put a note in the question paper in this regard.

- There shall be **9** questions in all

  The first question **compulsory** comprising short answer type questions spread over the

operations systems of linear equations properties of their solution sets determinants characterization properties and economic applications

Unit III

Functions of several real variables: Geometric representations graphs and level curves differentiable functions characterizations properties with respect to various operations and applications second order derivatives properties and applications the implicit function theorem and application to comparative statics problems homogeneous and homothetic functions characterizations and economic applications

Unit IV

Multi-variable optimization: Convex sets geometric properties of functions convex functions their characterizations properties and applications further geometric properties of functions quasi convex functions their characterizations properties and applications unconstrained optimization geometric characterizations characte

Generic Elective for Non-Economics Honours Students

Generic Elective (GE) Course II (Sociology)

SOC-GE4: Rethinking Development

Max. Marks: 80 **Time: 3 Hrs.**

Credits: 6

(4 Class Room Teaching + 2 Tutorial)

Objective:

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M K Das Gupta B

SUPPLEMENTARY READINGS

Dunn O J and Clark V A *Basic Statistics: A primer for the Biomedical Sciences, Fourth Edition* Wiley

Bancroft H Ipsen J and Feigl P 7 *Introduction to BioStatistics* Harper and Row

Introduction to Macroeconomics and National Income Accounting

Basic issues studied in macroeconomics Measurement of gross domestic product