Course Module
Semester I
CC1
Introductory Microeconomics

Full Marks: 75   **Lectures: 67**

1. General Concept

Scope of Economics- Distinction between Microeconomics and Macroeconomics –02

Concept of different Microeconomic units – commodity, consumer, firm, industry and Market - 02

Determinants of demand and supply, demand curve, supply curve – 02
Concepts of equilibrium, - 01

Concept of elasticity - 01

2. Consumer Behaviour

• The Marshallian Approach: measurement of utility – 06

derivation of demand curve – 01

consumer's surplus - 01

• Indifference curve approach - 10

• Elasticities of demand — 02

relation between price elasticity of demand, price and marginal revenue – relation between price elasticity and total expenditure - 03

• The Revealed Preferences approach – 03

3. Producer Behaviour

• Production function - 05

• Isoquant and properties of iso-quant, Iso-cost line. Economic region of production, marginal rate of technical substitution, equilibrium of the producer – 05
constrained output maximization and constrained cost minimization - 02

 output and substitution effects – 01

elasticity of substitution, expansion path, returns to scale – 02
homogeneous and homothetic production function, the Cobb Douglas and CES production function- 05

• Cost function: different concepts of costs, short run cost analysis and long run cost

analysis – 03

relation between the expansion path and cost function – 01

long run cost curves as envelope of short run cost curves – 01

4. Market -1
• Theory of Perfect Competition

Short run and long run equilibrium of a competitive firm – 03
Short run and long run supply curves - 01
Elasticity of Supply -01

Long run equilibrium of the competitive industry – 01

Price determination in a competitive industry, producer's surplus – 02

Existence, uniqueness and static stability of equilibrium –l
long run supply curves of the Industry- 01

effects of external economies and diseconomies – 01

effect of imposition of tax – 01
effect of price control- 01

References:
1. Robert S. Pindyck, Daniel L. Rubinfeld, PremL.Mehta: Microeconomics
2. Koutsoyiannis: Microeconomic Theory
3. Ferguson and Gould: Microeconomic Theory
4. H. Varian: Intermediate microeconomics
5. Henderson and Quandt: Microeconomic Theory
6. Ryan and Pearce: Price Theory, Macmillan.
7. A. Bilas : Microeconomics

Course Module

CC2
Statistics –I

Full Marks: 75   **Lectures: 68**

1. Tabular and Diagrammatic Presentation of Data:
Statistical Data – 02
difference between variable and attributes- 01
frequency distribution and its diagrammatic presentation – 03
2. Measures of Central Tendency
Arithmetic mean, median and mode (for both grouped and ungrouped data) – 08
3. Measures of Dispersion
Absolute measures – 04
Relative measures - 04
Curve of concentration - 01
Measurement of economic inequality -01
Nature of distribution of income and wealth - 01
4. Skewness and Kurtosis
skewness and Kurtosis - 03
Relationship between central and non-central moment– 05
5. Bivariate Data: Simple Correlation and Regression Analysis (15 Lectures)
Scatter diagram – 02
Simple correlation coefficient and its properties- 04
Simple regression analysis – 03
Relationship between correlation coefficient and regression coefficient- 02
Rank correlation coefficient – 02
6. Multiple and Partial Correlation (08 Lectures)
three variable case – 02
Deduction of formula – 04
Simple numerical Problems-02
7. Index Numbers (05 Lectures)
Purpose and uses of index number -01
problems of construction - 01
different formulae for price and quantity index numbers - 02

tests for index numbers-01
chain index, cost of living index and simple -01
numerical exercise -02
8. Time Series (08 Lectures)
Nature and decomposition of time series – 02
Analysis of trend—02
Polynomial trend – 02
Exponential trend –01
Non-linear growth curves- 01

References:
Goon, Gupta and Dasgupta – Fundamental of Statistics, Vol. I & II
Goon, Gupta and Dasgupta – Basic Statistics
Gupta and Kapoor – Fundamental of Mathematical Statistics.
N. G. Das – Statistical Method

BA/BSc General (CBCS) in Economics
Semester – I
G1

Microeconomics

Full Marks: 75   **Number of Lectures: 60**

1. Consumer's Behaviour:
Utility: Total and Marginal Utility- 05
Law of Demand-01
Indifference Curve-04
Consumer's equilibrium-02
Price effect, Income effect and Substitution effect-02
 Elasticity of Demand –Measurement of price elasticity-03

2. Producer's Behaviour:
Production Function - 04
Returns to Factor and Returns to Scale-02
Cost of Production-06
 Total Revenue, Marginal Revenue and Average Revenue –02
Relation between TR, AR and MR curves-02
Relation between AR, MR and Price elasticity of Demand-04

3. Market Morphology: (10 Lectures)
A. Perfect competition -01
Monopoly-01
Monopolistic Competition01
Oligopoly and Duopoly-02
Short run and Long run equilibrium of firm and industry under Perfect competition-04
Price discrimination-01
 Price and Output determination under Monopoly-02

4. Theory of Distribution:
A. Marginal Productivity Theory of Distribution
B. Rent-02
C. Wage-02
D. Interest-02
E. Profit-02

5. General concepts of Welfare Economics:
Graphical presentation of Pareto optimality-02

References:
1. Samuelson, P.A and William. D. Nordhaus,: Economics , McGraw Hill Book Co. Singapore.
2. Lipsey, R.G: An Introduction to positive Economics, Weidenfeld and Nicholson, London.
3. Ferguson and Gould: Microeconomic Theory, published by All India Traveller Book Seller.