

Shiromani Gurudwara Parbandhak Committee's
Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Matunga, Mumbai – 400 019, Maharashtra

Program: Bachelor of Arts

Syllabus

Course: FYBA

Semester I and II

(Name of Subject: ECONOMICS-Major)

(As per NEP guidelines-DSC model)

With effect from Academic Year 2023 - 2024)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)

Program Structure

Semester-I

Course Name	Teaching Hours	Credits Assigned	Total Marks
	Theory		
Major-Paper: Microeconomics-I	60	4	100
Minor-Paper: Fundamentals of Microeconomics-I	60	4	100
Open elective (OE) (To opt Science/Commerce OE)	30	2	50
Open elective (OE) (To opt Science/Commerce OE)	30	2	50
Vocational Skill Course (VSC): Entrepreneurial Development-I	30	2	50
Skill Enhancement Course (SEC): Data Collection, Analysis and Interpretation-I	30	2	50
Ability Enhancement Course (AEC)	30	2	50
Value Education Course (VEC)	30	2	50
Co-curricular (CC)	--	2	50
		22	550

Semester-II

Course Name	Teaching Hours	Credits Assigned	Total Marks
	Theory		
Major-Paper-I: Microeconomics-II	60	4	100
Minor-Paper: Fundamentals of Microeconomics-II	60	4	100
Open elective (OE) (To opt Science/Commerce OE)	30	2	50
Open elective (OE) (To opt Science/Commerce OE)	30	2	50
Vocational Skill Course (VSC): Entrepreneurial Development-II	30	2	50
Skill Enhancement Course (SEC): Data Collection, Analysis and Interpretation-II	30	2	50
Ability Enhancement Course (AEC)	30	2	50
Value Education Course (VEC)	30	2	50
Indian Knowledge System (IKS)	30	2	50
		22	550



**Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Arts**

PROGRAMME OUTCOMES (PO)

BACHELOR OF ARTS (BA)

- PO1:** Learners will have strengthened intellectual, personal, and professional abilities through effective communication skills enhancing employability through linguistic competence.
- PO2:** Learners will be able to learn the historical evolution of mass/multimedia, its theories and practices. They will be equipped to assess media content and its societal impact.
- PO3:** Learners will be able to appreciate the glory of the ancient knowledge system and recognize its relevance in contemporary societies.
- PO4:** Learners will be able to develop, evaluate and apply analytical and cognitive skills such as abstract conceptualization, data analysis, problem solving, creative thinking, etc.
- PO5:** Learners will enhance their knowledge of their subjects by continual use of ICT and other advanced research tools.
- PO6:** Learners will be able to understand, integrate and practice values, morals and ethics in their everyday life; creating an awareness of rights and duties fostering holistic development and thus enabling them to be socially responsible citizens.
- PO7:** Learners will develop holistic understanding towards the historical, cultural, literary, economic and philosophical dynamics of the society.
- PO8:** Learners will be equipped with the ability to understand and engage with issues pertaining to environment, sustainability and global ecological concerns.
- PO9:** Learners will gain insights associated with relevant topical issues and trends at regional, national and global levels. They will be able to evaluate its literary, philosophical, historical, economic contexts and its ramifications for the future.



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Programme Specific Outcomes (PSOs) for BA in Economics

Sr. No.	A student completing BA in Economics will be able to:
PSO 1	Understand the basic and advanced concepts and theoretical frameworks in Economics. Adopt and evaluate models to solve economic problems.
PSO 2	Predict the impact of fiscal and monetary policy on the overall economic performance of the country.
PSO 3	Acquire knowledge on national and international trade.
PSO 4	Analyse the economic problems and suggest policy measures for the development of the economy.
PSO 5	Extract and analyse relevant data to assess economic variables with statistical tools and techniques.
PSO 6	Acquire entrepreneurial skills and become successful entrepreneur.



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B.A.
Semester-I: Economics Major Paper
Course Title: Microeconomics-I
Course Code: GNKUAECOMJ1101
Credits: 4
No of lectures (Hours): 60
Marks: 100 (60:40)

Course Objectives:

Sr. No.	Course objectives
The course aims at:	
1	Familiarizing students with the basic micro economic principles which influence the decision-making process of consumers and producers.
2	Introducing students to consumer theory and concept of market equilibrium.
3	Acquainting students to simple mathematical tools.

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	POs addressed	PSOs Addressed	Cognitive Levels addressed
CO 1	Understand the basic concepts in Microeconomics.	4	1	U
CO 2	Analyse the interdependence amongst economic factors as explained by economic theories.	4	1,5	An
CO 3	Graphically demonstrate the effect of changes in price or other economic variables on the equilibrium outcome.	4,7	1,5	An, Ap

Unit		Title	No. of lectures	CO Mapping
Unit 1		Introduction to Microeconomics	15	
	1.1	Microeconomics: Meaning, Scope, Nature, Importance and Limitations	03	CO1, CO2
	1.2	Basic Economic Problems	02	CO1
	1.3	Role of Price Mechanism in a Market Economy	03	CO2
	1.4	Positive and Normative Economics	03	CO1

	1.5	Concepts of Functions, Graphs, Diagrams, Line, Slope, Intercept and Equation	04	CO1, CO2, CO3
Unit 2		Ten Principles of Economics	15	
	2.1	Trade-off faced by the Individuals	01	CO1
	2.2	Significance of Opportunity Cost in Decision Making	01	CO1, CO2
	2.3	Thinking at the Margin	01	CO1, CO2
	2.4	Responses to incentives	02	CO1
	2.5	Benefits from Exchange	02	CO1, CO2
	2.6	Organization of Economic Activities through Markets and its Benefits	02	CO2
	2.7	Role of Government in improving Market Outcomes	02	CO2
	2.8	Dependence of Standard of Living on Production	01	CO1, CO2
	2.9	Growth in Quantity of Money	01	CO1, CO2
	2.10	Inflation and Unemployment trade-off	02	CO1, CO2
Unit 3		Markets, Demand and Supply	15	
	3.1	What is a Market? Basics of Market Demand, Market Supply and equilibrium price	02	CO1, CO2
	3.2	Shifts in the demand and supply curves and equilibrium	03	CO2, CO3
	3.3	Price Elasticity of Demand, Methods of Measuring Price Elasticity of Demand – Total Outlay Method, Percentage Method and Point Method	04	CO1
	3.4	Concept of Income Elasticity of Demand, Cross Elasticity of Demand and Promotional Elasticity of Demand	03	CO1
	3.5	Relationship between elasticity of demand and revenue concepts (numerical example only)	03	CO1, CO2
Unit 4		Consumer's Behaviour	15	
	4.1	Marshall's Cardinal Utility analysis: Law of Diminishing Marginal Utility	02	CO1
	4.2	Consumer's equilibrium and Principle of Equi-marginal Utility	03	CO1, CO2

	4.3	Indifference Curve Analysis: Ordinal measure of utility	02	CO1
	4.4	Indifference curves and their properties	02	CO1
	4.5	Consumer's equilibrium-Income, Price and Substitution Effects	04	CO1, CO2
	4.6	Consumer's Surplus	02	CO1, CO2

References:

1. N. Gregory Mankiw, (2015), "Principles of Microeconomics", 7th edition- Cengage Learning.
2. Sen Anindya, (2007), "Microeconomics Theory and Applications", Oxford University Press, New Delhi.
3. Salvator D, (2003), "Microeconomics Theory and Applications", Oxford University Press, New Delhi.
4. M. L. Jhingan, (2006), "Microeconomics Theory", 5th Edition, Vrinda Publication (P) Ltd.
5. H. L. Ahuja, (2016), "Advance Economics Theory", S. Chand & Company Ltd.
6. Paul Samuelson and W. Nordhaus, (2009), "Economics", 19th Edition, McGraw Hill Publications.

Examination:

- **Internal Examination (40 Marks)**
- **Semester End Theory Examination (60 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 2 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
40	10+15+15

- 1) Overall Performance: 10 Marks
- 2) Any **ONE** of the following activities: 15 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 15 Marks (**Mandatory**)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B.A.
Semester-II: Economics Major Paper
Course Title: Microeconomics-II
Course Code: GNKUAECOMJ1102
Credits: 4
No of lectures (Hours): 60
Marks: 100 (60:40)

Course Objectives:

Sr. No.	Course objectives
The course aims at:	
1	Familiarizing students to the supply side concepts and theories in Economics.
2	Enriching students' knowledge of market structure, its characteristics and equilibrium under different market structures.
3	Exposing students to various distribution theories.

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	POs addressed	PSOs addressed	Cognitive Levels addressed
CO 1	Understand the basic concepts related to production.	4	1	R, U
CO 2	Analyze revenue and cost concepts from the lens of a producer.	4	1,5	An, Ap
CO 3	Distinguish between different market structures and identify unique characteristics associated with markets.	4,7	1	U, An
CO 4	Evaluate the changes in equilibrium under different markets.	4,7	1	U, An
CO 5	Understand various distribution pricing theories associated with factors of production.	4,7	1	U

Unit		Title	No. of lectures	CO Mapping
Unit 1		Production, Cost, Revenue Analysis	15	
	1.1	Production Function: Concept, Fixed & Variable Proportions	03	CO 1

	1.2	Law of Variable Proportion and Returns to Scale	03	CO 1
	1.3	Isoquants and Producer's Equilibrium, Expansion Path	03	CO 1
	1.4	Costs - Short-run & Long-Run	03	CO 1, CO 2
	1.5	Revenue - AR, MR, TR (numerical example)	03	CO 1, CO 2
Unit 2		Equilibrium Price, Output, & Profit Under Perfect Competition & Monopoly	15	
	2.1	Perfect Competition: Profit maximization approach to equilibrium: Marginal	02	CO 3, CO 4
	2.2	Short- run supply curve and Equilibrium of a firm	02	CO 3, CO 4
	2.3	Long- run supply curve and Equilibrium of a firm & industry.	02	CO 3, CO 4
	2.4	Monopoly: Sources of Monopoly	03	CO 3
	2.5	Short- run Equilibrium price & Long- run Equilibrium of a firm & industry	03	CO 3, CO 4
	2.6	Price Discrimination	03	CO 3
Unit 3		Equilibrium Price, Output, & Profit Under Monopolistic Competition & Oligopoly	15	
	3.1	Monopolistic Markets: Equilibrium of a firm under Monopolistic Competition	02	CO 3, CO 4
	3.2	Monopolistic Competition Versus Perfect Competition	03	CO 3
	3.3	Excess Capacity Versus Inefficiency — Product Differentiation Over Selling Cost	02	CO 3, CO 4
	3.4	Oligopolistic markets: Key Attributes of Oligopoly — Price-Rigidity	02	CO 3
	3.5	Collusive Versus Non-Collusive Oligopoly Market, Cartels - Kinky Demand Curve Model	03	CO 3, CO 4
	3.6	Price Leadership	03	CO 3, CO 4
Unit 4		Factor Pricing	15	
	4.1	Marginal Productivity Theory of Distribution	02	CO 5
	4.2	Rent: Ricardian Theory of Rent, Modern Theory of Rent	04	CO 5
	4.3	Wages: Modern Theory of Wages, Collective Bargaining	03	CO 5
	4.4	Interest: Classical Theory of Interest, Loanable Funds Theory of Interest	03	CO 5
	4.5	Profit: Risk and Uncertainty Theory, Innovation Theory	03	CO 5

Note: we may include case studies and numerical examples for modules 1, 2 and 4 from examination point of view.

References:

1. N. Gregory Mankiw, (2015), “Principles of Microeconomics”, 7th edition- Cengage Learning.
2. Sen Anindya, (2007), "Microeconomics Theory and Applications", Oxford University Press, New Delhi.
3. Salvador D, (2003), “Microeconomics Theory and Applications”, Oxford University Press, New Delhi.
4. M. L. Jhingan, (2006), “Microeconomics Theory”, 5th Edition, Vrinda Publication (P) Ltd.
5. H. L. Ahuja, (2016), “Advance Economics Theory”, S. Chand & Company Ltd.
6. Paul Samuelson and W. Nordhaus, (2009), “Economics”, 19th Edition, McGraw Hill Publications.

Examination:

- **Internal Examination (40 Marks)**
- **Semester End Theory Examination (60 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 2 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
40	10+15+15

1) Overall Performance: 10 Marks

2) Any **ONE** of the following activities: 15 Marks

- a) Assignment b) Presentation c) Quiz d) Viva

3) Class Test: 15 Marks (**Mandatory**)

Shiromani Gurudwara Parbandhak Committee's
Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Matunga, Mumbai – 400 019, Maharashtra

Program: Bachelor of Arts

Syllabus

Course: FYBA/FYBSc

Semester I and II

(Name of Subject: ECONOMICS-Minor)

(As per NEP guidelines-DSC model)

With effect from Academic Year 2024 - 2025)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B.A./F.Y.B.Sc.
Semester-I: Minor Paper
Course Title: Fundamentals of Microeconomics – I
Course Code: GNKUAECOMI1101
Credits: 4
No of lectures (Hours): 60
Marks: 100 (60:40)

Course Objectives:

Sr. No.	Course objectives
The course aims at:	
1	Familiarizing students with fundamental concepts in Economics.
2	Assisting students in understanding the principles governing decisions undertaken by individuals as consumers, producers or as government representatives.
3	Equipping students to analyze the impact of certain decisions on market outcomes and to evaluate the effectiveness of such decisions.

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	POs addressed	PSOs Addressed	Cognitive Levels addressed
CO 1	Elaborate the basic concept in Economics and the interlinkages between various economic variables.	4	1	R, U, An
CO 2	Analyze day-to-day economic activities from the lens of an economist and would be able to better understand the reasons behind such real-life situations.	4,7	1,5	U, An
CO 3	Critically evaluate the effectiveness of any policy change and would be able to suggest appropriate policy stance under given economic conditions.	4,7,9	2,4,5	An, Ap

Unit		Title	No. of lectures	CO Mapping
Unit 1		Introduction to Economics	15	
	1.1	Basic concepts of Economics: Wealth, Welfare, Scarcity, Choice, etc.	02	CO 1, CO 2

	1.2	Scope and Methods of Economics	02	CO 1, CO 2
	1.3	Microeconomics versus Macroeconomics	02	CO 1
	1.4	Positive and Normative Economics	02	CO 1, CO 3
	1.5	Basic Economic Problems: What to produce, how to produce? and how to distribute the output?	02	CO1, CO2, CO 3
	1.6	Markets and Competition	01	CO 1
	1.7	Concept of Demand and Supply	02	CO 1
	1.8	Basics of functions and graphs: intercept, slope, plotting and reading graph, etc.	02	CO 1
Unit 2		Ten Principles of Economics	15	
	2.1	People face trade-offs	01	CO 2
	2.2	Opportunity cost affects decisions	01	CO 2
	2.3	Rational people think at the margin	01	CO 2
	2.4	People respond to incentives	02	CO 2
	2.5	Gains from trade	02	CO 1, CO 2
	2.6	Markets and Efficiency in organizing economic activities	02	CO 2
	2.7	Role of Government in improving market outcomes	02	CO 2, CO 3
	2.8	Link between production and standard of living	01	CO 1
	2.9	Money supply and Prices	01	CO 1, CO 3
	2.10	Inflation and Unemployment trade-off	02	CO 1, CO 3
Unit 3		Market forces of Demand and Supply	15	
	3.1	Law of demand and Determinants of individual demand; Demand schedule, Individual versus Market demand curve; Movement along the demand curve and Shift in demand curve	04	CO 1, CO 2
	3.2	Law of Supply and Determinants of individual supply; Supply schedule, Individual versus Market Supply curve; Movement along the supply curve and Shift in supply curve	03	CO 1, CO 2
	3.3	Demand, Supply and Price determination	02	CO 1, CO 2
	3.4	Price Elasticity of Demand and its calculations; Price Elasticity of Supply and its determinants	03	CO 1
	3.5	Total Revenue and Price Elasticity	03	CO 1, CO 3

Unit 4		Government Policies, Markets and Welfare	15	
	4.1	Price controls and its impact on market outcomes: Price ceiling and Price Floor	04	CO 1, CO 2
	4.2	Consumer Surplus	02	CO 1
	4.3	Producer Surplus	02	CO 1
	4.4	Market Efficiency and Market Failure	03	CO 1, CO 3
	4.5	Impact of taxes and subsidies on Consumers, Producers and market equilibrium	04	CO1, CO2, CO 3

References:

1. Ahuja, H. L. (2005), Advanced Economic Theory, S Chand and Company, New Delhi.
2. Dwivedi, D. N.(2003), Micro Economics : Theory and Applications; Pearson Education (Singapore) Pvt. Ltd, Delhi.
3. Koutsoyiannis, A. (1980) Modern Economics, the Macmillan Press Ltd, London.
4. Lipsey and Chrystal (2004), Economics, Oxford University Press.
5. Mansfield, E. (1997), Micro Economics, W. W. Norton and Company, New York.
6. Mankiw, N.G. (2002), Principles of Economics, Thomson Asia Pte. Ltd., Singapore.
7. Mehta, P. L. (2006), Managerial Economics Analysis, Problems and Cases, Sultan Chand & Sons, New Delhi.
8. Samuelson, P. A. & Nordhaus W.D. (1998), Economics, Tata McGraw Hill, New Delhi.
9. Salvatore, D. (2003), Micro Economics, Oxford University Press.
10. Stonier, A. W. & Hague, D. C. (2004), A Textbook of Economic Theory, Pearson Education, Delhi.

Examination:

- **Internal Examination (40 Marks)**
- **Semester End Theory Examination (60 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 2 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
40	10+15+15

- 1) Overall Performance: 10 Marks
- 2) Any **ONE** of the following activities: 15 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 15 Marks (**Mandatory**)



**Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics**

Course: F.Y.B.A./F.Y.B.Sc.

Semester-II: Minor Paper

Course Title: Fundamentals of Microeconomics – II

Course Code: GNKUAECOMI1102

Credits: 4

No of lectures (Hours): 60

Marks: 100 (60:40)

Course Objectives:

Sr. No.	Course objectives
The course aims at:	
1	Acquainting learners about the various types of market structures and the objectives of firms.
2	Assisting students in understanding the process of production, associated constraints, types of costs, etc.
3	Familiarizing learners about the implications of market structure on the price level, output level, profitability of the firm and on the overall market outcome.

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	POs addressed	PSOs addressed	Cognitive Levels addressed
CO 1	Distinguish between various market structures and the objectives pursued by different firms.	4	1	U, An
CO 2	Graphically demonstrate the firm's production activities or equilibrium outcome on the basis of production process, available inputs, different types of costs, etc.	4,7	1,5	An, Ap
CO 3	Elaborate the policies undertaken by firm under perfect versus imperfect competition to achieve their objectives, its welfare implications and government's response to such practices.	4,7,9	2,4	An, Ap

Unit		Title	No. of lectures	CO Mapping
Unit 1		Market Structures and Revenue Analysis	15	
	1.1	Perfect Competition and its features	02	CO 1
	1.2	Monopolistic Competition	02	CO 1
	1.3	Oligopoly	02	CO 1
	1.4	Monopoly	02	CO 1
	1.5	Concept of Average Revenue, Marginal Revenue and Total Revenue	01	CO 3
	1.6	AR, MR and TR curves under imperfect competition	02	CO 3
	1.7	AR, MR and TR curves under perfect competition	02	CO 3
	1.8	Objectives of firm: Profit maximization, Sales maximization, Utility maximization, etc.	02	CO1, CO2, CO 3
Unit 2		Production function	15	
	2.1	Concept of production function	02	CO 2
	2.2	Factors of production: Land, Labour, Capital and Entrepreneurial skills	02	CO 2
	2.3	Fixed proportion versus Variable proportion	02	CO 2
	2.4	Law of variable proportions	03	CO 2, CO 3
	2.5	Iso-quants and its properties	02	CO 2
	2.6	Returns to scale	02	CO 2, CO 3
	2.7	Producers' equilibrium and expansion path.	02	CO 2, CO 3
Unit 3		Cost of Production and Cost Curves	15	
	3.1	Concept and types of costs: Accounting cost, Economic cost, Opportunity cost, etc.	02	CO 2
	3.2	Short-run costs: Fixed cost and Variable cost	02	CO 2
	3.3	Concept of Average Cost, Marginal Cost and Total cost	03	CO 2
	3.4	Long-run Average cost curve and Economies of Scale	03	CO1, CO2, CO 3
	3.5	Learning curve	02	CO 2, CO 3
	3.6	Technological change and long-run cost curves.	03	CO 2, CO 3
Unit 4		Perfect versus imperfect competition	15	
	4.1	Profit maximization by perfectly competitive firm	02	CO1, CO2, CO 3

	4.2	Profit maximization under monopoly	03	CO1, CO2, CO 3
	4.3	Sources of monopoly	02	CO 1
	4.4	Social cost of monopoly	02	CO 2, CO 3
	4.5	Meaning and degrees of Price discrimination	02	CO 1, CO 3
	4.6	Price discrimination and social welfare	02	CO 2, CO 3
	4.7	Government policy towards monopoly.	02	CO 3

References:

1. Ahuja H.L. (2005), Advanced Economic Theory, S Chand and Company, New Delhi.
2. Dwivedi, D.N. (2003), Micro Economics : Theory and Applications; Pearson Education (Singapore) Pvt. Ltd, Delhi.
3. Koutsoyiannis, A. (1980) Modern Economics, the Macmillan Press Ltd, London.
4. Lipsey and Chrystal (2004), Economics, Oxford University Press.
5. Mansfield, E. (1997), Micro Economics, W. W. Norton and Company, New York.
6. Mankiw, N.G. (2002), Principles of Economics, Thomson Asia Pte. Ltd., Singapore.
7. Mehta P. L. (2006), Managerial Economics Analysis, Problems and Cases, Sultan Chand & Sons, New Delhi.
8. Samuelson P. A. & Nordhaus W.D. (1998), Economics, Tata McGraw Hill, New Delhi.
9. Salvatore, D. (2003), Micro Economics, Oxford University Press.
10. Stonier A .W. & Hague D.C. (2004), A Textbook of Economic Theory, Pearson Education, Delhi.

Examination:

- **Internal Examination (40 Marks)**
- **Semester End Theory Examination (60 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 2 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
40	10+15+15

1) Overall Performance: 10 Marks

2) Any **ONE** of the following activities: 15 Marks

- a) Assignment b) Presentation c) Quiz d) Viva

3) Class Test: 15 Marks (**Mandatory**)

Shiromani Gurudwara Parbandhak Committee's
Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Matunga, Mumbai – 400 019, Maharashtra

Program: Bachelor of Arts

Syllabus

Course: FYBSc

Semester I and II

(Name of Subject: ECONOMICS-Open Elective)

(As per NEP guidelines-DSC model)

With effect from Academic Year 2023 - 2024)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B.Sc.

Semester-I: Open Elective Paper

Course Title: Latest Development in Indian Economy-I

Course Code: GNKUAECOEE101

Credits: 2

No of lectures (Hours): 30

Marks: 50 (30:20)

Sr. No	Course Objectives
1.	Equip students with the foundational knowledge: Provide students with comprehensive understanding of Indian economy key concepts and components of key sector and their role in Indian economy
2.	To develop practical thinking: Develop practical thinking and analyze economic trends.
3.	Foster Strategic Thinking and Innovation: Foster strategic thinking and innovation among students by examining the policies for and addressing various issues in Indian economy.

Course Outcome:

Sr. No	On Completing the course the students will be able to	POs addressed	PSOs addressed	Cognitive Levels Addressed
1.	Gain foundational knowledge: Students will be able to gain foundational knowledge on key sectors, demand and supply and other basic economic concepts	1	1	R
2.	To develop practical thinking: Students will be able to evaluate the current economic trends by learning economic indicators like unemployment rate, poverty rate	1,3,9	3	U, An, E
3.	Foster Strategic Thinking and Innovation: Discussion on monetary and fiscal policy and come up with solutions for better economic growth	7,8	1,2	U, Ap, E

Unit	Title: Latest Development in Indian Economy-I	No. of lectures	CO Mapping
Unit 1	Introduction to Indian Economy and Basic Concepts	15	
	1.1 Overview of Indian Economy: Key sectors, strengths, and challenges	4	CO1, CO2, CO3

	1.2	Introduction to basic economic concepts: Demand and supply, inflation, GDP, fiscal policy, monetary policy	4	CO1, CO2, CO3
	1.3	Recent economic developments and trends in India	4	CO1, CO2, CO3
	1.4	Understanding economic indicators: Unemployment rate, poverty rate, consumer price index.	3	CO1, CO2, CO3
Unit 2		Macroeconomic Policies and Reforms	15	
	1.1	Fiscal Policy: Government budget, taxation, subsidies, and public expenditure —elementary level	4	CO1, CO2, CO3
	1.2	Monetary Policy: Role of the Reserve Bank of India, interest rates, inflation targeting, and quantitative easing	4	CO1, CO2, CO3
	1.3	Trade Policy and Foreign Direct Investment: Impact on the Indian economy	4	CO1, CO2, CO3
	14	Recent economic reforms in India: GST (Goods and Services Tax), bankruptcy code, ease of doing business.	3	CO1, CO2, CO3

References

1. N. Gregory Mankiw, (2015), “Principles of Microeconomics”, 7th edition- Cengage Learning.
2. Sen Anindya, (2007), "Microeconomics Theory and Applications", Oxford University Press, New Delhi.
3. Salvator D, (2003), “Microeconomics Theory and Applications”, Oxford University Press, New Delhi.
4. M. L. Jhingan, (2006), “Microeconomics Theory”, 5th Edition, Vrinda Publication (P) Ltd.
5. William P. Albrecht, Jr., (1986), “Microeconomics Principles”, 4th Edition, Printice Hall.

Examination:

- **Internal Examination (20 Marks)**
- **Semester End Theory Examination (30 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 1 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
20	5+5+10

- 1) Overall Performance: 5 Marks
- 2) Any **ONE** of the following activities: 5 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 10 Marks (**Mandatory**)



**Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics**

Course: F.Y.B.Sc.

Semester-II: Open Elective Paper

Course Title: Latest Development in Indian Economy-II

Course Code: GNKUAECOUE102

Credits: 2

No of lectures (Hours): 30

Marks: 50 (30:20)

Sr. No	Course Objectives
1.	Provide students with current latest knowledge: Students will be able to trace the sectoral analysis and its impact on emerging industries by studying the agricultural, manufacturing and service sector.
2.	Discussion on Digital economy: Special focus on digital economy and how digital infrastructure is applied in various sectors.
3.	Evaluating government schemes: Analysing specific programs initiated by the government to enhance employability, sustainable development, skill development and innovation by improving technology with respect to artificial intelligence and automation.

Course Outcome:

Sr. No	On Completing the course the students will be able to	POs addressed	PSOs addressed	Cognitive Levels Addressed
1.	Develop critical thinking: By tracing sectoral analysis and its impact on emerging industries by studying the agricultural, manufacturing and service sector, students will be able to critically analyse the economic growth patterns.	2	1	U, An
2.	Discussion on emerging industries: Special focus on digital economy and how digital infrastructure is applied in various sectors will help students to know the true potential of IT and IT-enabled services, healthcare, banking, and e-commerce to grow the Indian economy.	2	1	U, An, E

3.	Evaluating government schemes: Active participation of students in discussing government schemes will help to develop problem solving skills.	4,5	1,4	U, Ap, E
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Unit		Title: Latest Development in Indian Economy-II	No. of lectures	CO Mapping
Unit 1		Sectoral Analysis and Emerging Industries	15	
	1.	Agriculture and Rural Development: Issues, government schemes, And initiatives-elementary.	4	CO1, CO2, CO3
	2.	Manufacturing and Industrial Growth: Make in India, industrial corridors and sectors with high potential.	4	CO1, CO2, CO3
	3.	Service sector: IT and IT-enabled services, tourism, banking and finance and e-commerce.	4	CO1, CO2, CO3
	4.	Emerging industries in India: Renewable energy, healthcare, digital economy and start-ups	3	CO1, CO2, CO3
Unit 2		Social and Environmental Dimensions of Indian Economy	15	
	1.	Income inequality and Poverty alleviation Programs: Social Welfare Schemes, affirmative actions and poverty reduction strategies-elementary.	4	CO1, CO2, CO3
	2.	Sustainable Development and Environmental Challenges: Climate change, pollution and sustainable practices.	4	CO1, CO2, CO3
	3.	Employment generation and Skill Development: Initiative for enhancing employability and entrepreneurship.	4	CO1, CO2, CO3
	4.	Role of technology and Innovation in Indian Economy: Digital transformation, artificial intelligence and automation.	3	CO1, CO2, CO3

References

1. Agriculture: <https://www.worldbank.org/en/news/feature/2012/05/17/india-agriculture-issues-priorities>
2. Rural development: <https://www.pib.gov.in/PressReleasePage.aspx?PRID=1894901>
3. Welfare schemes for farmers:
<https://www.pib.gov.in/PressReleaseIframePage.aspx?PRID=200201>
4. Make in India: <https://www.drishtiiias.com/daily-updates/daily-news-analysis/make-in-india-4>
5. Industrial Corridor: <https://nicdc.in/about/overview>
6. Service sector: <https://www.drishtiiias.com/daily-updates/daily-news-editorials/services-led-growth-model-for-india>
7. Renewable energy: <https://www.drishtiiias.com/blog/the-rise-and-impact-of-renewable-energy>
8. Healthcare sector: <https://www.nextias.com/ca/editorial-analysis/03-02-2024/healthcare-sector-in-india>
9. Digital Economy: <https://www.trade.gov/country-commercial-guides/india-digital-economy>
10. Pollution: <https://byjus.com/biology/types-of-pollution/>
11. Sustainable practices: <https://www.tripoto.com/india/trips/wealth-of-age-old-traditional-wisdom-and-practices-in-india-which-has-tragically-disappeared-3b1ff1ea0a8073208>

Examination:

- **Internal Examination (20 Marks)**
- **Semester End Theory Examination (30 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 1 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
20	5+5+10

- 1) Overall Performance: 5 Marks
- 2) Any **ONE** of the following activities: 5 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 10 Marks (**Mandatory**)

Shiromani Gurudwara Parbandhak Committee's
Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Matunga, Mumbai – 400 019, Maharashtra

Program: Bachelor of Arts

Syllabus

Course: F.Y.B.Com.

Semester I and II

(Name of Subject: ECONOMICS-Open Elective)

(As per NEP guidelines-DSC model)

With effect from Academic Year 2023 - 2024)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B. Com
Semester-I: Open Elective Paper
Course Title: Business Economics I
Course Code: GNKUCBCOMOE101
Credits: 2
No of lectures (Hours): 30
Marks: 50 (30:20)

Sr. No	Course Objectives
1.	Educate students with basic economic concepts: Students will learn the foundational concept related to demand and supply analysis.
2.	Discussion on case studies: Formal discussion to be put forth with regard to application of price elasticity of demand and supply.
3.	Equip students analytical thinking: Students will analyse the producer's behaviour by analysing the cost concepts.

Course Outcome:

Sr. No	On Completing the course the students will be able to	POs addressed	PSOs addressed	Cognitive Levels Addressed
1.	Gaining knowledge on fundamental concepts: Students will be learning demand and supply concepts.	1	4	U
2.	Discussion on case studies: Real life case studies of relevant industries and how they apply price elasticity of demand and supply concepts in day- to-day business operations.	9	6	U, An, E
3.	Equip students analytical thinking: Students will analyse the producer's behaviour by analysing the cost concepts such as short-run, long-run cost curves and economies and diseconomies of scale.	2,7	1,4	U, Ap, E

Unit	Title: Business Economics-I	No. of lectures	CO Mapping
Unit 1	Demand and Supply Analysis	15	
	1. The law of demand and determinants of demand	2	CO1
	2. The law of supply and determinants of supply	2	CO1, CO2, CO3

	3.	Market equilibrium and price determination	3	CO1, CO2, CO3
	4.	Elasticity of Demand and Supply	2	CO1, CO2, CO3
	5.	Price elasticity of demand and its applications	2	CO1, CO2
	6.	Cross-price elasticity and income elasticity of demand	2	CO1, CO2
	7.	Price elasticity of supply and its significance	2	CO1, CO2
Unit 2		Production and Cost Analysis	15	
	1.	Production functions and their properties	4	CO1, CO2, CO3
	2.	Short run & Long Run Production Analysis	4	CO1, CO2, CO3
	3.	Short-run and long-run cost curves	4	CO1, CO2, CO3
	4.	Economies and diseconomies of scale	3	CO1, CO2, CO3

References

1. N. Gregory Mankiw, (2015), "Principles of Microeconomics", 7th edition- Cengage Learning.
2. Sen Anindya, (2007), "Microeconomics Theory and Applications", Oxford University Press, New Delhi.
3. Salvator D, (2003), "Microeconomics Theory and Applications", Oxford University Press, New Delhi.
4. Ronald. W. Shephard, (2016), "Theory of Cost and Production Functions", Princeton University Press.
5. Dwivedi D.N. (2023), "Microeconomics: Theory and Applications", 4th Edition, Vikas Publication House Private Limited.

Examination:

- **Internal Examination (20 Marks)**
- **Semester End Theory Examination (30 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 1 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
20	5+5+10

- 1) Overall Performance: 5 Marks
- 2) Any **ONE** of the following activities: 5 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 10 Marks (**Mandatory**)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B. Com
Semester-I: Open Elective Paper
Course Title: Business Economics II
Course Code: GNKUCBCOMOE102
Credits: 2
No of lectures (Hours): 30
Marks: 50 (30:20)

Sr. No	Course Objectives
1.	Educate students with intermediary economic concepts: Students will learn the concepts related to market structure such as Monopolistic market and Oligopoly market.
2.	Discussion on case studies: Formal discussion to be put forth with regard to application of price leadership models and cartel formation.
3.	Selection of investment decisions: Practical numerical example to evaluate the project on the basis of Net Present Value, Internal Rate of Return and Payback Period method.

Course Outcome:

Sr. No	On Completing the course the students will be able to	POs addressed	PSOs addressed	Cognitive Levels Addressed
1.	Educate students with intermediary economic concepts: Students will learn Monopolistic market with respect to excess capacity and efficiency & Oligopoly market with respect to collusive, non-collusive and price leadership.	1	1	R, U
2.	Discussion on case studies: Formal discussion to be put forth with regard to application of price leadership (Discussion on dominant, low cost, barometric and aggressive price leadership) .	2,9	1	U, Ap, An, E
3.	Selection of investment decisions: Practical numerical on Capital Budgeting to evaluate the project on the basis of Net Present Value, Internal Rate of Return and Payback Period method.	3,7	5,6	U, Ap, E

Unit	Title: Business Economics-II	No. of lectures	CO Mapping
Unit 1	Market Structures under Monopolistic & Oligopoly	15	

	1.	Monopolistic competition: Competitive and Monopolistic elements of monopolistic competition- equilibrium of firm under monopolistic competition.	3	CO1, CO2, CO3
	2.	Monopolistic verses perfect competition, excess capacity and inefficiency, debate over role of advertising, (topics to be taught using case studies from real life examples)	3	CO1, CO2, CO3
	3.	Oligopolistic Market: Key attributes of oligopoly	3	CO1, CO2, CO3
	4.	Collusive and non-collusive oligopoly market	3	CO1, CO2, CO3
	5.	Price rigidity, Cartels and price leadership models (with practical examples)	3	CO1, CO2, CO3
Unit 2		Evaluating Capital Project	15	
	1.	Meaning and importance of capital budgeting	4	CO1, CO2, CO3
	2.	Steps in capital budgeting	4	CO1, CO2, CO3
	3.	Techniques of Investment appraisal: payback period method, net present value method, and internal rate of return method	4	CO1, CO2, CO3

References

1. Pamela Peterson Drake, Frank J. Fabozzi,(February 5, 2002), “Capital Budgeting Theory and Practice”, Wiley.
2. Market structures:
<https://kstatelibraries.pressbooks.pub/economicsoffoodandag/chapter/unknown-5/>

Examination:

- **Internal Examination (20 Marks)**
- **Semester End Theory Examination (30 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 1 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
20	5+5+10

- 1) Overall Performance: 5 Marks
- 2) Any **ONE** of the following activities: 5 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 10 Marks (**Mandatory**)

Shiromani Gurudwara Parbandhak Committee's
Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Matunga, Mumbai – 400 019, Maharashtra

Program: Bachelor of Arts

Syllabus

Course: F.Y.B.A.

Semester I and II

(Name of Subject: ECONOMICS-VSC)

(As per NEP guidelines-DSC model)

With effect from Academic Year 2023 - 2024)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B.A.

Semester-I: Vocational Skill Course (VSC)

Course Title: Entrepreneurial Development-I

Course Code: GNKUAECOVSC101

Credits: 2

No of lectures (Hours): 30

Marks: 50 (30:20)

Course Objectives

Sr. No.	Course objectives
The course aims at:	
1	Introducing the concept of Entrepreneur
2	Highlighting the role of Entrepreneurs in Economic Development
3	Understanding the problems faced by the Entrepreneurs
4	Understanding leadership qualities

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	GAs/POs addressed	EPLOs/PSOs addressed	Cognitive Levels addressed
CO 1	Entrepreneur basic knowledge structure	GA-1	EPLO-1	BTC1-R
CO 2	Listening, Reading, Writing & Presenting of entrepreneurial knowledge	GA-2	EPLO-2	BTC1-U
CO 3	Moral/Ethical Awareness of Using Critical & Scientific reasoning	GA-13	EPLO-13	BTC1-U
CO 4	Leadership Qualities	GA-14	EPLO-14	BTC1-U

Unit		Title	No. of lectures	CO Mapping
Unit 1		Meaning / Role / Function	15	
	1.1	Concept of an Entrepreneur and Entrepreneurship	5	CO1, CO2
	1.2	Role of Entrepreneurs in Economic Development	5	CO3
	1.3	Qualities and Functions of an Entrepreneur	5	CO4

Unit 2		Growth and Hurdles	15	
	2.1	Factors influencing Entrepreneurship	5	CO2
	2.2	Growth of Entrepreneurship in India	5	CO3
	2.3	Hurdles in Entrepreneurship (case studies)	5	CO4

References:

1. Peter Drucker (1985), Innovation and Entrepreneurship, Routledge
2. Harvard Business Review on Entrepreneurship, Harvard Business School press.

Examination:

- **Internal Examination (20 Marks)**
- **Semester End Theory Examination (30 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 1 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
20	5+5+10

- 1) Overall Performance: 5 Marks
- 2) Any **ONE** of the following activities: 5 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 10 Marks (**Mandatory**)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B.A.

Semester-II: Vocational Skill Course (VSC)

Course Title: Entrepreneurial Development-II

Course Code: GNKUAECOVSC102

Credits: 2

No of lectures (Hours): 30

Marks: 50 (30:20)

Course Objectives:

Sr. No.	Course objectives
The course aims at:	
1	Steps in Entrepreneurship through project
2	Project report skills
3	Project Appraisal skills basics
4	Project evaluation skills basics

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	POs/GAs addressed	PSOs/EPLOs addressed	Cognitive Levels addressed
CO 1	Introducing project-based view of Entrepreneurship	GA-1	EPLO-1	BTC1-R
CO 2	Understanding Sources of Finance	GA-2	EPLO-2	BTC1-U
CO 3	Understanding Appraisal and evaluation of project	GA-4	EPLO-3	BTC2-E
CO 4	Using computational methods skills in project appraisal	GA-10	EPLO-4	BTC1-A

Unit		Title	No. of lectures	CO Mapping
Unit 1		Entrepreneur and Project Identification	15	
	1.1	Meaning and Understanding of a project-based view of Entrepreneurship.	5	CO1,
	1.2	Project Identification and steps in project identification	5	CO1, CO3
	1.3	Sources of Finance for the project	2	CO2
	1.4	Formulation of project report (specimen)	3	CO3

Unit 2		Project Appraisal	15	
	2.1	Introduction to Project Appraisal Methods	3	CO3
	2.2	Break Even Analysis	3	CO3, CO4
	2.3	Payback period method	3	CO4
	2.4	Net Present Value method	3	CO4
	2.5	Project Evaluation	3	CO3

References:

1. Harvard Business review on Entrepreneurship, Harvard Business School Press
2. Langmack Liv, Zharovskikh Diana, Umea school of Business & Economics, Umea Public University, Sweden
3. Chandra Prasanna, Investment Analysis and Portfolio Management, Tata Mc-Graw Hill Publishing Company

Examination:

- **Internal Examination (20 Marks)**
- **Semester End Theory Examination (30 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 1 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
20	5+5+10

- 1) Overall Performance: 5 Marks
- 2) Any **ONE** of the following activities: 5 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 10 Marks (**Mandatory**)

**Shiromani Gurudwara Parbandhak Committee's
Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)**

Matunga, Mumbai – 400 019, Maharashtra

Program: Bachelor of Arts

Syllabus

Course: F.Y.B.A.

Semester I and II

(Name of Subject: ECONOMICS-SEC)

(As per NEP guidelines-DSC model)

With effect from Academic Year 2024 - 2025)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B.A.

Semester-I: Skill Enhancement Course (SEC)

Course Title: Data Collection, Analysis and Interpretation - I

Course Code: GNKUAECOSEC101

Credits: 2

No of lectures (Hours): 30

Marks: 50 (30:20)

Course Objectives:

Sr. No.	Course objectives
The course aims at:	
1	Highlighting the importance of data-driven decision-making.
2	Developing proficiency in data collection techniques.
3	Students gaining expertise in using statistical and data analysis tools to explore and summarize data, identify patterns, and draw meaningful insights from datasets.
4	Interpreting and communicating data effectively: Acquiring the skills to interpret analysis results in a clear and concise manner, and effectively communicating the findings to stakeholders, enabling data-driven decision-making.

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	POs addressed	PSOs addressed	Cognitive Levels addressed
CO 1	Understand the importance of data analysis in effective decision making.	4,7	5	U
CO 2	Distinguish between various types of data and data collection techniques.	4	5	R, U
CO 3	Use statistical and data analysis tools to explore and summarize data, identify patterns, and draw meaningful insights from datasets.	4,7	5	An, Ap
CO 4	Analyze data, interpret the results and effectively communicate the results for data-driven decision-making.	4	5	An, Ap

Unit		Title	No. of lectures	CO Mapping
Unit 1		Introduction to Data Analysis	15	
	1.1	Understanding the importance of data analysis in economics	03	CO 1
	1.2	Overview of statistical concepts and tools	05	CO 3
	1.3	Types of data: qualitative and quantitative	03	CO 2
	1.4	Data collection methods and sources: Primary & Secondary	04	CO 2
Unit 2		Exploratory Data Analysis	15	
	2.1	Descriptive statistics: measures of central tendency and dispersion	04	CO 3
	2.2	Data visualization techniques: graphs, charts, and plots	03	CO 3, CO 4
	2.3	Correlation analysis: identifying relationships between variables	04	CO 3, CO 4
	2.4	Introduction to hypothesis testing	04	CO 3, CO 4

References:

1. Gupta, S. P., Statistical Methods, S. Chand, New Delhi, 2008
2. Sancheti, D. C. and Kapoor, V. K.: Statistics: Theory, Methods and Applications, Sultan Chand & Sons, New Delhi, 2007
3. Guha, A.: Quantitative Aptitude, Tata Mc-Graw Hill, New Delhi, 2005

Examination:

- **Internal Examination (20 Marks)**
- **Semester End Theory Examination (30 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 1 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
20	5+5+10

- 1) Overall Performance: 5 Marks
- 2) Any **ONE** of the following activities: 5 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 10 Marks (**Mandatory**)



Guru Nanak Khalsa College of Arts, Science and Commerce (Autonomous)
Department of Economics

Course: F.Y.B.A.

Semester-II: Skill Enhancement Course (SEC)

Course Title: Data Collection, Analysis and Interpretation - II

Course Code: GNKUAECOSEC102

Credits: 2

No of lectures (Hours): 30

Marks: 50 (30:20)

Course Objectives:

Sr. No.	Course objectives
The course aims at:	
1	Understand the importance of data-driven decision-making.
2	Develop proficiency in data collection techniques.
3	Gain expertise in using statistical and data analysis tools to explore and summarize data, identify patterns, and draw meaningful insights from datasets.
4	Interpret and communicate data effectively: Acquire the skills to interpret analysis results in a clear and concise manner, and effectively communicate findings to stakeholders, enabling data- driven decision-making.

Course Outcomes (COs):

Sr. No.	On completing the course, the student will be able to:	POs addressed	PSOs addressed	Cognitive Levels addressed
CO 1	Understand the data analysis techniques and research methodology.	4	5	U
CO 2	Apply the tools and techniques of data analysis.	4	1,5	Ap
CO 3	Visualize the underlying trends in data and draw meaningful inferences.	4,7	5	An
CO 4	Drafting the research report and effectively communicating the research findings.	4	5	An, C

Unit		Title	No. of lectures	CO Mapping
Unit 1		Introduction to Research Methodology	15	
	1.1	Basic Concepts of Research: Types of Research	03	CO 1
	1.2	Methods of collecting Data: Questionnaire, Survey, Field project, Case Studies, Online Databases	04	CO 1
	1.3	Analysis of Trends and Variables, Interpretation of Data (Based on data of Indian Economy)	03	CO 2, CO 3
	1.4	Use of Excel to analyse percentage change, CAGR, Moving Averages	03	CO 2
	1.5	Nominal versus real variables	02	CO 1
Unit 2		Data Analysis and Interpretation	15	
	2.1	Data: Time series, cross-section, pooled cross section	02	CO 1
	2.2	Covariance, Correlation versus Causation, Scatter plot	02	CO 1, CO 3
	2.3	Simple Regression Analysis and Interpretation	03	CO 2, CO 3
	2.4	Index numbers: Types, Uses, Steps to construct index number, limitations;	03	CO 1
	2.5	Data visualization using Excel	02	CO 3
	2.6	Research report writing	03	CO 4

References:

1. Gupta, S. P., Statistical Methods, S. Chand, New Delhi, 2008
2. Sancheti, D. C. and Kapoor, V. K.: Statistics: Theory, Methods and Applications, Sultan Chand & Sons, New Delhi, 2007
3. Guha, A.: Quantitative Aptitude, Tata Mc-Graw Hill, New Delhi, 2005

Examination:

- **Internal Examination (20 Marks)**
- **Semester End Theory Examination (30 Marks):** Weightage of each unit will be proportional to the number of lecture hours as mentioned in the syllabus. Duration of exam: 1 hours.
- **Combined passing of 40% with minimum 20% in Internal Component.**

Continuous Internal Assessments (C.I.A.)

TOTAL MARKS	Continuous Internal Assessments (C.I.A.)
20	5+5+10

- 1) Overall Performance: 5 Marks
- 2) Any **ONE** of the following activities: 5 Marks
 - a) Assignment
 - b) Presentation
 - c) Quiz
 - d) Viva
- 3) Class Test: 10 Marks (**Mandatory**)