National Education Policy 2020

Syllabus 2025-26

Department of Economics
University of Kota
Near Kabir Circle, M.B.S. Marg, Kota (Raj.)- 324005

Course structure of under graduate programme in Economics

B.A. Economics

(Semester- I to VI)

UNIVERSITY OF KOTA

MBS Marg, Near Kabir Circle, KOTA (Rajasthan)-324005, INDIA

List of Papers for the Degree of B.A. in Economics Semester-wise Titles of the papers					
Year	**Sem.**	**Paper Code**	**Paper Title**	**Theory/ Practical**	**Credits**
Certificate Course in Economics (DCC Papers) Course Code ECO 5115 T					
First Year	I	ECO-101Th	Economic Concept & Methods	Th	06
	II	ECO-102Th	Micro Economics	Th	06
Diploma in Economics (DCC Papers) Course Code ECO 5215 T					
Second Year	III	ECO-201Th	Macro Economics	Th	06
	IV	ECO-202Th	Indian Economy	Th	06
Bachelor Degree in Economics (DSE Papers) Course Code ECO 5315 T					
Select any one DSE paper from Elective-I					
Third Year	V	**Elective-I**			
		ECO-301 (A) Th	Economy of Rajasthan	Th	06
		ECO-301 (B) Th	Quantitative Methods for Economics	Th	06
		ECO-301 (C) Th	History of Economic Thought	Th	06
	Select any one DSE paper from Elective-II				
	Elective-II				
	VI	ECO-302 (A) Th	Introduction to Development and International Trade	Th	06
		ECO-302 (B) Th	Mathematical Economics	Th	06
		ECO-302 (C) Th	Money, Banking and Public Finance	Th	06

Discipline Centric Core Papers For First Year (*Course Code: ECO 5115T)*

Programme:Certificate Course in Economics

Each paper contains 150 marks for regular and Non-Collegiatestudents. Continuous assessment of marks 50 are divided into 30 marks for midterm test and 20 marks for Seminars/project report/presentation for regular student. While Continuous assessment of marks 50 are divided into 30 marks for report writing and 20 marks for Viva-voce for Non-Collegiate students.

Semester:- First

ECO 101 Th:- Economic Concepts and Methods

Course Objectives:-This course is designed to impart the knowledge of basic economic concepts so that students are able to study economic theory at undergraduate level.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	What is Economics, Nature, Subject matter and scope of Economics, Characteristics of Capitalism, Socialism and Mixed Economics. Basic Economic Problems. Assumptions in Economic Analysis. Distinction between Micro & Macro Economics. Positive & Normative Analysis. Static & Dynamic Analysis (only elementary approach).	15-18
II	The Concept of National Income. Circular Flow of income components and Measurements of National Income. Relationship between per capita national income & Economic Welfare, Net Economic Welfare.	15-18
III	Money: Nature, functions and importance of money. The Concepts of Currency and Credit. The Concept of Demand for money and supply of money. Relationship between money supply, output & prices (upto Cambridge version) Functions of commercial & central Bank.	15-18

IV	Definition, Nature, Importance & Limitations of Statistics. Collection and tabulation of data, Primary and Secondary data, Questionnaire and schedule. Census and Sampling Methods, Representation of data : diagrammatic and graphic. The Concept of Averages, frequency distribution-Mean, Mode and Median.	15-18
V	Uses of graphs. The concept & interpretation of slopes of curves (e.g. demand & supply curve etc.) Concept of Total, Average & marginal Values. Exchange rate and foreign exchange market. Balance of payment and Balance of Trade.	15-18

Course outcomes: -

- This course enables students to understand nature, subject matter and scope of Economics, basic economic problems etc.
- Students learn how to compute GDP, NI etc.
- Students will be able to interpret graphs and Slope of curves.
- This course also impart elementary knowledge of statistical techniques.

Suggested Readings :-

1. H.L. Ahuja – Advance Economic Theory, S.chand publication, New Delhi.
2. H.R. Varian – Intermediate Micro Economic – East West Press, New Delhi.
3. H. L. Ahuja – Macro Economics – S. chand Publication, New Delhi.
4. Rana and Verma – Vishal Publication, Jhalandhar, Panjab (Hindi& English)
5. कैलाश नाथ नागर – सांख्यिकी के मूलतत्व मीनाक्षी प्रकाशन, मेरठ (उ.प्र.)।
6. लक्ष्मीनारायण नाथूरामका- अर्थशास्त्र में गणित के अनुप्रयोग, सी.बी.एच. जयपुर।

Suggested Links :-

1. https://ndl.iitkgp.ac.in/
2. http://epgp.inflibnet.ac.in/
3. http://egyankosh.ac.in/
4. https://bit.ly/2SgbhBk

Semester:-Second

Each paper contains 150 marks for regular and Non-Collegiate students. Continuous assessment of marks 50 are divided into 30 marks for midterm test and 20 marks for Seminars/project report/presentation for regular student. While Continuous assessment of marks 50 are divided into 30 marks for report writing and 20 marks for Viva-voce for Non-Collegiate students.

ECO 102Th:- Micro Economics

Course Objectives:-This course is designed to expose the students to the basic principles of Micro Economic Theory. Students will have understanding of consumer behaviour, producers behaviour, decision making, market structure and Welfare Economics.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Utility - cardinal and ordinal approaches, Indifference curve, Consumer's equilibrium, Price Effect, Income Effect, & Substitution Effect for Normal, Inferior & Giffen goods, demand curve; Engel curve Elasticity of demand-price, income and cross, Consumer's surplus.	15-18
II	Production function, Iso-quant, Factor substitution, law of variable proportions; Returns to scale; Economies of scale: Different concepts of cost and their interrelation, Equilibrium of the firm, Expansion path.	15-18
III	Market forms - Perfect and imperfect markets, Equilibrium of a firm under perfect competition, monopoly and price discrimination, Measure of monopoly power, Monopolistic competition.	15-18
IV	Marginal productivity theory of distribution : Theories of wage determination, Wages and collective bargaining, Wage differentials; Rent : Scarcity rent, Differential rent, Quasi rent, interest - Classical and Keynesian theories, Theory of Profits.	15-18
V	Problems in measuring welfare; Classical welfare economics; Pareto's criteria; Concept of a social welfare function, Compensation Principle: Kaldor & Hicks.	15-18

Course outcomes: -

- The course enables students to understand the basic Concepts and principles of Microeconomics.
- The students learn how consumers and producers behave in markets and how price is determined in commodity markets.
- The paper also enhance the understanding of students about factor pricing and Welfare Economics.

Suggested Readings :-

1. Koutsoyiannis, A. (1990), Modern Microeconomics (9th Edition), Oxford University Press, Oxford.
2. Lipsey, G.R. and K.A. Chrystal (1999), Principles of Economics (9th Edition), Oxford University Press, Oxford.
3. Mansfield, E (1997), Microeconomics (9th Edition), W.W. Norton and Company, New York.
4. Ray, N.C. (1975), An Introduction to Microeconomics, MacMillan Company of India Ltd. Delhi.
5. Varian H.R. (2000), Intermediate Microeconomics; A Modern Approach (5th Edition), East-West Press, New Delhi.
6. H.L. Ahuja, Advanced Economic Theory :- Microeconomic Analysis.
7. H.L. Ahuja, उच्चत्तर आर्थिक सिद्धांत:- व्यष्टिपरक आर्थिक विश्लेषण, एस. चाँद पब्लिकेशन, नई दिल्ली।
8. M.L. Jhingan : Microeconomics, Vrinda Publication, New Delhi.

Suggested Links :-

1. https://ndl.iitkgp.ac.in/
2. http://epgp.inflibnet.ac.in/
3. http://egyankosh.ac.in/
4. https://bit.ly/2SgbhBk

Discipline Centric Core Papers For Second Year (*Course Code: ECO 5215T)*

Programme: Diploma in Economics

Each paper contains 150 marks for regular and Non-Collegiate students. Continuous assessment of marks 50 are divided into 30 marks for midterm test and 20 marks for Seminars/project report/presentation for regular student. While Continuous assessment of marks 50 are divided into 30 marks for report writing and 20 marks for Viva-voce for Non-Collegiate students.

Semester:- Third

ECO 201 Th:- Macro Economics

Course Objectives: - This course aims to educate students on different terms/ concepts and determination of aggregate Macroeconomic variables like National Income, Output, Employment, Savings, Investment etc. Students will have a proper understanding of Macroeconomic Theoretical structure. Course also aims to introduce the students basic theories and concepts related to trade cycles and economic growth.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Nature and importance of Macro Economics. Concept and measurement of national income. National income identities with government and international trade, Incorporation of environmental concerns in national account-Green accounting.	15-18
II	Say's law of market and the classical theory of employment, Keynes' objection to the classical theroy; Keynesian theory of output and employment, Aggregate demand and aggregate supply functions; The principle of effective demand; Consumption function - Average and marginal propensity to consume, Factors influencing consumption spending.	15-18
III	The investment multiplier; Theory of investment - Autonomous and induced investment; Savings and investment equality and equilibrium. Classical, Neo-	15-18

	classical and Keynesian theories of interest.	
IV	Nature and characteristics; Keyne's view of trade cycle; The concept of accelerator; Samuelson and Hicks multiplier-accelerator interaction model; Control of trade cycles.	15-18
V	Sources of growth; Growth models-Harrod and Domar; Instability of equilibrium; Neo-classical growth models-Solow. Economic growth and technical progress.	15-18

Course outcomes:

- Understand and analyse aggregate economic variables.
- The learners can enhance their understanding on working of economy as well as Macroeconomic issues.
- Students acquire knowledge on issues like trade cycles as well as growth models.

Suggested Readings :-

- Ackley, G (1976) - Macroeconomics; Theory and Policy, MacMillan Publishing Company, New York.
- Shapiro, E. 91966)- Macroeconomic Analysis, Galgotia Publications, New Delhi.
- Vaish, M.C. - Macroeconomics. (Hindi & English).
- Mier, G.M. & R.E. Baldwin (1955) - Economic Development: Theory History and Policy, Willey & Sons Inc, New York.
- Powelson, J.P.C. (1960) - National Income and Flow of Funds Analysis McGraw Hill, New York.
- वैश्य, एम.सी. समष्टि अर्थशास्त्र।
- लक्ष्मीनारायण नाथूरामका- समष्टि अर्थशास्त्र।
- G.S. Gupta – Macroeconomic
- Rana &Verma - Macroeconomic (Hindi & English)

7. M.L. Jhinjan - Macroeconomics (Hindi & English)

Suggested Links :-

1. https://ndl.iitkgp.ac.in/
2. http://epgp.inflibnet.ac.in/
3. http://egyankosh.ac.in/
4. https://bit.ly/2SgbhBk

Semester:-Fourth

Each paper contains 150 marks for regular and Non-Collegiate students. Continuous assessment of marks 50 are divided into 30 marks for midterm test and 20 marks for Seminars/project report/presentation for regular student. While Continuous assessment of marks 50 are divided into 30 marks for report writing and 20 marks for Viva-voce for Non-Collegiate students.

ECO 202 Th:- Indian Economy

Course Objectives:- This course aims to have a broad overview of Indian Economy. An understanding of issues related to population, agriculture, industry, economic reforms and economic planning is used to further understand the main challenges of Indian Economy.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Basic Characteristics of Indian Economy, Natural Resources: Land, Minerals, Water, Forests and Power Resource. Population: Size and Growth, Labour Force, Occupational Distribution, Demographical dividend and Population Policy, Human Resources Development indicators (i.e., literacy, health, Nutrition etc.)	15-18
II	Agriculture: Role and Importance of Agriculture in the Indian Economy; Land Reforms, irrigation, Use of Fertilizers and its advantages and disadvantages, concept of organic farming, Role of NABARD; Marketing of Agricultural goods – Support Price and Public Distribution System and Food Security.	15-18
III	Industry: Role, Strategy and Challenges, SMEs. Role of Financial Institutions and Commercial Banks, Recent industrial Policy.	15-18
IV	New Economic Policy with special reference to Tax Reforms viz. GST and Problem of Black Money; Impact of Demonetization; Digitization of Payments, Foreign Trade: Size, Composition and Direction, Recent Trends in India's Foreign Trade; New Foreign Trade Policy of India.	15-18
V	Review of Economic Progress under the Plans. NITI	15-18

	Aayog. National Development Agenda. Problems of Poverty: Unemployment, Inflation and Regional disparities; Rural Development Programmes and policy; Sectoral Reforms in infrastructure after 1991.	

Course outcomes: -

- ❖ Have a clear picture of Indian Economic Growth trajectory.
- ❖ Sharpen the analytical skills by highlighting on broad overview of Indian economy.
- ❖ Understand major economic problems of Indian economy.

Suggested Readings :-

- Dutta and Sundram – Indian Economy, S.Chand& Company, New Delhi
- Mishra and Puri – – Indian Economy, Himalaya Publication, New Delhi
- Tyagi and Bhall – Agricultural Development in India
- A.N. Agarwal - Indian Economy
- Latest Economic Survey, Ministry of Finance, Govt. of India.
- Laxmi Narayan Nathuramka, Indian Economy, RBD, Jaipur

Suggested Links :-

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2. http://epgp.inflibnet.ac.in/
3. http://egyankosh.ac.in/
4. https://bit.ly/2SgbhBk
5. https://www.indiabudget.gov.in/

Bachelor Degree in Economics (DSE Papers) Course Code ECO 5315 T

Semester:-Fifth

(Select any one DSE paper from Elective-I)

Each paper contains 150 marks for regular and Non-Collegiate students. Continuous assessment of marks 50 are divided into 30 marks for midterm test and 20 marks for Seminars/project report/presentation for regular student. While Continuous assessment of marks 50 are divided into 30 marks for report writing and 20 marks for Viva-voce for Non-Collegiate students.

Elective-I

ECO 301 (A) Th:- Economy of Rajasthan

Course Objectives:- This course aims to have a broad overview of Economy of Rajasthan. An understanding of issues related to population, agriculture, industry, economic reforms and economic planning is used to further understand the main challenges of State Economy.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Basic Characteristics of the Economy of Rajasthan. Position of Rajasthan's economy in Indian Economy, Rajasthan's Physiographic Features, Infrastructure in the State: Renewable & Non Renewable Energy Resources, Roads & Transportation, Irrigation.	15-18
II	Population: Size, Growth & Trends, Main causes of population growth in Rajasthan, Government Measures towards Population Control, Causes of low literacy rates in Rajasthan, Distribution of Rural and Urban Population, Occupational Structure & Human resource development.	15-18
III	Natural Resources: Land, Water, Forest, Livestock, Wildlife and Mineral Resources, New Mineral Policy of Rajasthan. Agriculture: Land Utilization, Cropping Pattern and Main Crops in Rajasthan, Agriculture Finance, Land Reforms in Rajasthan, Importance of Livestock and Animal Husbandry, Dairy Development Programmers.	15-18

IV	Industry- Salient Features, growth and challenges of industrial development, Present industrial policy, Role & Importance of Small Scale, Cottage, Handicrafts & Export Industries, Their main problems & suggestions to remove them, Role of Different Corporations in Industrial Development (RIICO, RFC & RAJSICO), Industrial Finance, SEZs and EPZs. Tourism Development in Rajasthan. Main Features and Problems of Tourism. Recent Tourism policy.	15-18
V	Economic Planning and Development in Rajasthan, Constrains in the Economic Development of Rajasthan, Special area development programmes in Rajasthan, Problems of Poverty and Unemployment in Rajasthan, Budgetary Trends in Rajasthan, Centre-State Financial Relations and Economic reforms in Rajasthan.	15-18

Course outcomes: -

- ❖ Have a clear picture of Rajasthan economic growth trajectory.
- ❖ Sharpen the analytical skills by highlighting on broad overview of state economy.
- ❖ Understand major economic problems of Rajasthan economy.

Suggested Readings :-

- लक्ष्मीनारायण नाथूरामका, राजस्थान की अर्थव्यवस्था, रमेश बुक डिपो, जयपुर
- GS Bhatia: Economy of Rajasthan
- H.R. Bhalla-Contemporary issues in Rajasthan.
- Economic Review, Directorate of Economics and Statistics, Jaipur (Latest).
- Government of Rajasthan: Basic Statistics of Rajasthan (Latest).
- Government of Rajasthan: Statistical Abstract of Rajasthan (Latest), Rajasthan Five Year Plan Documents

Suggested Links :-

1. https://ndl.iitkgp.ac.in/
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3. http://egyankosh.ac.in/
4. https://bit.ly/2SgbhBk
5. https://www.indiabudget.gov.in/

ECO 301 (B) Th:- Quantitative Methods for Economics

Course Objectives:- This paper specifically designed with the goal of equipping students with the skills to use statistical techniques in varied disciplines. The paper also aims to acquaint the students with the techniques of elementary research.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Measures of Central Tendency, Dispersion, Skewness, Measurement of Inequality Lorenz Curve and Gini Coefficient.	15-18
II	Correlation, Simple Regression, Index Numbers.	15-18
III	Analysis of Time Series, Interpolation & Extrapolation, Probability: Basic Concepts, Addition and Multiplication Theorem.	15-18
IV	Simple Differentiation and its applications in Economics. Partial Differentiation and its applications in Economics. Integration: Indefinite and Definite; Applications of Integration in Economics.	15-18
V	Matrices: Various types of matrices, Inverse of a Matrix, Vectors. Determinants: Important Properties and their Applications in Economics, Crammer's rule.	15-18

Note:- ***Simple Calculator is allowed in the examination.***

Course outcomes: -

- Understand basic statistical tools which are frequently used in social sciences research such as statistical averages, correlation, regression, and index number.
- This course imparts the knowledge of various mathematical techniques used for economic analysis.
- It train the students to apply these techniques to economic theory in general like, explaining the relationship among economics variables, calculating maxima and minima, explaining the time path of variables etc.
- It also develops the skill of students to use matrix algebra in solution of economic models.

Suggested Readings :-

- R. G. D. Allen: Mathematical Analysis for Economics McMillan, London.
- Edward T. Dowling: Mathematics for Economics, Schaum's Outline Series Mc Graw- Hill Book Co., New Delhi.
- Laxmi Narain Nathuramka: Arthshastra Mein Ganit ke Prayog (Hindi) Ramesh Book Deopt., Jaipur.
- B. C. Mehta and G. M. K. Madnani: Mathematics for Economists, Sultan Chand & Sons, New Delhi.
- Alpha C. Chiang: Fundamental Methods of Mathematical Economics, McGraw-Hill, Tokyo.
- Balwant Kandoi: Mathematics for Business and Economics with Application, Volum –I & II , Himalaya Publishing House.
- S.P. Gupta: Statistical Methods, Sultan Chand & Sons, New Delhi.
- Kailas Nath Nagar: Sankhyiki ke Mool Tatva (Hindi), Meenakshi Prakashan, Meerut.
- A. L. Nagar & R. K. Das: Basic Statistics, Oxford University Press, New Delhi.
- D. R. Agarwal: Quantitative Methods, Vrinda Publication.

Suggested Links :-

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3. http://egyankosh.ac.in/
4. https://bit.ly/2SgbhBk
5. https://www.indiabudget.gov.in/

ECO 301 (C) Th:- History of Economic Thought

Course Objectives:- The course objective of the History of Economic Thought typically involves studying the development of economic ideas, theories, and thinkers throughout history. This includes understanding how economic thought has evolved, analyzing key contributions from different periods and cultures, and critically examining the impact of various economic philosophies on policy and society.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Mercantilism: Views on trade, money & prices, Wage and employment. Physiocrarcy: Natural order, Primacy of Agriculture, Net product & Circulation of wealth, Theory of taxation and role of government.	15-18
II	Economic Thought of Classical School: Adam Smith, Malthus, David Ricardo, Critics of the Classical School – Sismondi, Robert Owen, Friedrich List, J.S. Mill.	15-18
III	Economic Thought of Neo-classical School: Marshall, Pigou, Roberston. Keynesian Thoughts, Neo-keynesian & New Keynesian. Monetarist economic thought.	15-18
IV	Evaluation of Socialist Thought: Utopian Socialism, Saint – Simon, Own Blane, Fourier Proudhob, Robert Oven, Charles, and Karl Marxs. German Historical School and Development of Marginalism.	15-18
V	Indian Economic Thoughts: Kautilya, Dadabhai Naroji, Mahatma Gandhi, Dr Bhimrao Ambedkar, JK Mehta, Pandit Dindayal Upadhyay and Amaritya Sen.	15-18

Course Outcomes:

- Understanding the evolution of economic ideas from ancient times to the present day.
- Analyzing the contributions of key economists and schools of thought to economic theory.
- Critically evaluating the influence of historical economic thinking on contemporary economic policy and practice.
- Developing the ability to articulate and defend one's own economic viewpoints based on historical perspectives.

- ❖ Enhancing critical thinking and analytical skills through the examination of complex economic theories and debates.

Suggested Readings :-

- H. Haney: A History of Economic Thought.
- Eric Roll: A History of Economic Thought.
- Lionel Robbins: A History of Economic Thought.
- S.K. Srivastava: A History of Economic Thought.
- H.L. Bhatia: A History of Economic Thought.
- V. C. Sinha: आर्थिक विचारों का इतिहास

Suggested Links :-

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2. http://epgp.inflibnet.ac.in/
3. http://egyankosh.ac.in/
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5. https://www.indiabudget.gov.in/

Semester:-Sixth

(Select any one DSE paper from Elective-II)

Each paper contains 150 marks for regular and Non-Collegiate students. Continuous assessment of marks 50 are divided into 30 marks for midterm test and 20 marks for Seminars/project report/presentation for regular student. While Continuous assessment of marks 50 are divided into 30 marks for report writing and 20 marks for Viva-voce for Non-Collegiate students.

Elective-II

ECO 302 (A) Th:- Introduction to Development & International Trade Course

Course Objectives:- This course is design to learn the concept measurement and factors of economic development various issues in economic development and sustainable development. Students learn and understanding of theories of international trade, gains from trade international trade barriers and International factor movements.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Economic Growth and Development: Factors affecting Economic Growth, Measures of Development- H.D.I., P.Q.L.I., M.P.I., & G.I.I.; Sustainable Development: Concept, Issues, Goals & Measures. Concept of Poverty and Inequality.	15-18
II	Agriculture – Industry interface – Interdependence between Agriculture and industry; Industrialization and urbanization (The models of Lewis Fei and Ranis and Todaro); The balanced growth doctrine (review of Rosenstein/Big Push Theory, Nurkse and Lewis); Strategy of unbalanced (Hirschman's version) and the reconciliation of the two.	15-18
III	International Trade: Meaning, Importance, Features, Gains from Trade; Trade Theories- Adam Smith, Ricardo, Haberler, Mill.	15-18
IV	Free Trade and Protection, Protection & Underdeveloped Countries, Foreign Exchange Market and Exchange Rate. Balance of Trade and Balance of Payment : Definition and Structure.	15-18

V	International Monetary Fund, World Bank: Scope and Impact: Asian Development Bank, Euro Currency Market, W.T.O.: Scope & Impact on Indian Economy.	15-18

Course Outcomes:

- ❖ The student will be able to understand key concepts issues and theories of economic growth and development.
- ❖ They will understand social and institutional aspects of development, domestic importance of agriculture and the rational and pattern of industrialisation for development in developing countries.
- ❖ To analyse and apply the trade theory.
- ❖ To comment critically on and participate in current debates on international trade related issues.

Suggested Readings :-

- Ray, Debraj, Development Economic, Seventh Impression, Oxford University Press, New Delhi.
- Thirwall, A.P. Growth and Development, Eighth Edition, Palgrave Macmillan, New York.
- Todaro, Michal P. And Stephen Smith C: Economic Development Eighth Edition, Second Impression, Pearson Education, (Singapore) Pvt. Ltd. Indian Branch, Delhi.
- Yotopoulos, Pan A. and Nugent Jeffery B: Economics of Development: Empirical Investigations, Harper and Row Publishers, New York.
- Lewis W.A. Development Planning.
- Meir, G.L.: Leading Issues in Economic Development ● Kuznets, S.: Modern, Economic Growth in U.S. Economy.
- P. Bardhan and T.N. Srinivasan: Poverty and Income Distribution in India ● Todaro, M.P. Economic for a Developing World.
- Thirllwall, A.P. Growth and Development.
- एम.एल. झिंगन – विकास एवं नियोजन का अर्थशास्त्र
- J. Bhagwati: International Trade, Cambridge University Press, London.
- R.J. Carbough: International Economics, Cengage Learning B Edition.
- D. Salvatore: International Economics, PHI, New York.
- Rana and Verma International Economics, Vishal Publishing House Ludhiana (Hindi and English).

Suggested Links :-

1. https://ndl.iitkgp.ac.in/
2. http://epgp.inflibnet.ac.in/
3. http://egyankosh.ac.in/
4. https://bit.ly/2SgbhBk
5. https://www.indiabudget.gov.in/

ECO 302 (B) Th:- Mathematical Economics

Course Objectives:- The objectives of this course are to impart skills in using mathematics as a language of communication and expression for economic analysis. This course is designed to equip students to apply mathematical tools and techniques to understand and elaborate the concepts and theories related to Microeconomics.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Utility function - Nature of utility function, Indifference curve-Convexity of indifference curve. Consumer's equilibrium. Derivation of ordinary and compensated demand function. Slutsky equation.	15-18
II	A well behaved production function. Maximization of Profit, Constrained Cost & Constrained output maximization, Cobb-Douglas & CES Production function. Homogeneous production function. Firm production function. Elasticity of Substitution.	15-18
III	Derivation of Cost function, Input demand function and supply function. Economies of Scale.	15-18
IV	Price and output determination under perfect competition. Consumer's surplus and producer's surplus.	15-18
V	Linear Programming - Graphical solution and simplex method. Input- Output Analysis. Game theory.	15-18

Note:- ***Simple Calculator is allowed in the examination.***

Course outcomes: -

- ❖ The students will be able to elaborate Microeconomic theories and models with mathematical derivation.
- ❖ The course develops the quantitative reasoning among the students regarding behaviour of consumer & producers in market and market equilibrium.

Suggested Readings :-

- Henderson and Quandt: Micro economic Theory - A mathematical Approach, Tata

McGraw Hill, New Delhi.

- Mehta, and Madnanai: Mathematics for Economists.
- Mehta B.C.: Mathematical Economics - Microeconomic Models.
- लक्ष्मीनारायण नाथूरामका : प्रारंम्भिक अर्थशास्त्र में गणित के प्रयोग।
- R. G. D. Allen: Mathematical Analysis for Economics McMillan, London.
- Edward T. Dowling: Mathematics for Economics, Schaum's Outline Series Mc Graw- Hill Book Co., New Delhi.
- Laxmi Narain Nathuramka: Arthshastra Mein Ganit ke Prayog (Hindi) Ramesh Book Deopt., Jaipur.
- B. C. Mehta and G. M. K. Madnani: Mathematics for Economists, Sultan Chand & Sons, New Delhi.
- Alpha C. Chiang: Fundamental Methods of Mathematical Economics, McGraw-Hill, Tokyo.
- Balwant Kandoi: Mathematics for Business and Economics with Application, Volum –I & II , Himalaya Publishing House.
- S.P. Gupta: Statistical Methods, Sultan Chand & Sons, New Delhi.
- Kailas Nath Nagar: Sankhyiki ke Mool Tatva (Hindi), Meenakshi Prakashan, Meerut.
- A. L. Nagar & R. K. Das: Basic Statistics, Oxford University Press, New Delhi.
- D. R. Agarwal: Quantitative Methods, Vrinda Publication.

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1. https://ndl.iitkgp.ac.in/
2. http://epgp.inflibnet.ac.in/
3. http://egyankosh.ac.in/
4. https://bit.ly/2SgbhBk
5. https://www.indiabudget.gov.in/

ECO 302 (C) Th:- Money, Banking & Public Finance

Course Objectives:- To provide the students with through analytical understanding to analyse money, banking, public debt, public revenue, public expenditure and fiscal policy.

Contact Hours/Week	:	06 Hours	Maximum Marks	:	150 Marks
Duration of Examination	:	03 Hours	Semester Assessment	:	100 Marks
			Continuous assessment	:	50 Marks

Note: *The syllabus is divided into five independent units and question paper will be divided into two sections:*

- ***Section-A*** *will carry 20 marks with 01 compulsory question comprising 10 short answer type questions taking two questions from each unit. Each question shall be of two marks.*
- ***Section-B*** *will carry 80 marks with equally divided into five long answer type questions. Paper setter shall be advised to set two questions from each unit and students are instructed to attempt five questions by selecting one question from each unit.*

S. No. of Unit	Topics	No. of Lectures
I	Money: Meaning, functions & Classification, Demand for Money, Quantity Theory of Money: Cash Transaction & Cash Balance Approach. Money Supply: Various Concepts, Measures, Determinates: High Powered Money & Money Multiplier.	15-18
II	Banking: Commercial Bank: Functions & Importance, The Process of Credit Creation & Its Limitations, Liabilities and Assets.	15-18
III	Central Bank: Functions & instruments of Credit Control; Objectives and Limitations of Monetary Policy with Special reference to India.	15-18
IV	Nature and Scope of Public Finance. Role of Government in the Economy. Public Goods and Private Goods. Theory of Maximum Social Advantage, Public Revenue: Canons of Taxation. Impact, Incidences and Shifting of Taxation. Direct and Indirect Taxation.	15-18
V	Public Expenditure: Canons of Public Expenditure, Classification and Effects on Production and Distribution. Public Debt: Meaning, Objectives and Burden. Fiscal Policy.	15-18

Course outcomes: -

- Students will learn the role of Central and Commercial bank in the process of money creation and control.
- Have conceptual clarity on the theories of public goods, public revenue, public expenditure and public debt.

Suggested Readings :-

- Desai, Vasant (2005), Indian Financial System and Financial Market Operation, New Pace, New Momentum, Himalaya Publishing House.
- Gupta, S.B. (2010), Monetary Economics, S. Chand & Company, New Delhi.
- Mithani, D.M. (2011), Money, Banking, International Trade and Public Finance, Student Edition 16th, Himalaya publishing House.
- R.A. Musgrave and P.B. Musgrave, Public Finance in Theory & Practice, McGraw Hill Publication.
- S. Ganguly, Public Finance, The world Press Pvt. Ltd.
- H.L. Bhatia, Public Finance, Vikas Publishing House Pvt. Ltd.
- John Callas and Philip Jones, Public Finance and Public Choice, Oxford University Press.

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