SYLLABUS

For

2 YEARS MA Economics PROGRAMME

(Programme Structure & Syllabus)

(As per CBCS guidelines)

Academic Session: 2024-25
w.e.f. 2023-24

Glocal School of Arts and Social Science

GLOCAL UNIVERSITY

Delhi-Yamunotri Marg (State Highway 57),
Mirzapur Pole,Dist - Saharanpur, U.P. - 247121,
India

Programme	M.A. (Economics)
Course Level	PG Degree
Duration	Two years **(four semesters)** Full Time
Medium of Instruction	English/Hindi
Minimum Required Attendance	75%
Maximum Credits	80

	Evaluation Scheme:		
	Internal	**External**	**Total**
Theory	30	70	100
Practical	30	70	100
Seminar/Industrial Training	100	--	100
Project/ Dissertation Reports	30	70	100

Programme Objectives (POs):

Economics is long-established discipline whose relevance to the world of business, government, international relations and academia is widely acknowledged. The Master of Arts (M.A.) Programme in Economics reflects new developments in the Economics discipline. The curriculum has a strong theoretical and quantitative focus with all students being trained in the use of computers and statistical software that they find useful in their professional careers in academia, research institutions, government, and industry. The Programme is semester-based under CBCS and includes a large number of elective courses with specialization in different fields of choice. Entry into the Programme requires basic knowledge of analytical, mathematical, and quantitative skills. At the end of Master of Arts (M.A.) Programme in Economics, the student should be able to bring to bear these skills to the Modeling and analysis of a wide range of theoretical and applied problems in Economics and to the understanding and solution of real world economic and social problems.

Programme Outcomes (POs):

After completing this programme students will be able to:

PO1. Apply knowledge of economic theories and practices to solve economic problems. Understand, analyze and communicate global, legal and ethical aspects of economic environment.

PO2. Analytical and critical thinking abilities for data based decision making of economic activities at local and national level. Develop the ability to explain the core economic terms, concepts and theories globally.

PO3. Identify key microeconomics and macroeconomics indicators and measures of economics change, growth and development at local and national level.

PO4. Develop the ability to analyze the function of market and prices as locative mechanisms for fulfilling local needs.

PO5. Acquaint with some basic concept of environmental economics along with the solution of the environmental problems at global level.

PO6. Learn the basic concept of monetary analysis and financial marketing in Indian financial markets at national level. Learn the real and monetary sides of International economics globally.

PO7. Delineate the fiscal policies designed globally for developed and developing economics.

PO8. Acquaint with some basic statistical and mathematical methods to be applied in economics.

PO9. Acquaint with some basic theoretical concept of public finance.

PO10. Familiarize and acquaint with the characteristics of the economy of India at national level.

Programme Specific Outcomes (PSOs):

PSO1: Students can know how to apply the knowledge from Economics in various sectors of society in order to solve various financial issues.

PSO2: Students will know Foreign Trade, FDI, International Trade, Foreign Policy, International Institutions, such as W.T.O, World Bank, I.M.F, ASSION, and Trade Policies and International debts etc. and can design local policies to overcome economic crises.

PSO3: Students can utilize their knowledge to solve issues in land reforms, traditional and Modern Agriculture, Small and Marginal Farmers, Agricultural Production and Productivity. Students can design policy to build the gap between agricultural, Industry, infrastructure sectors. Students can be aware of and make the public aware of Taxation, Public debt, Fiscal and Monetary policy etc.

PSO4: Students can understand Fund Based Economic Activities and Non Fund based Activities, Sources of Revenue, and Banking in India

Programme Structure and Evaluation Scheme
M.A. (Economics) - 2 Years PG Programme

S. N.	Paper Code	Title of the Course	Hours per Week			Credits	Evaluation Scheme		
			L	T	P		Internal	External	Total
SEMESTER -I									
1.	ECMM101	Micro Economic Analysis I	4	0	--	04	30	70	100
2.	ECMM102	Macro-Economic Analysis I	4	0	--	04	30	70	100
3.	ECMM103	Indian Economic Policy	4	0	--	04	30	70	100
4.	ECMM104	History of Economic Thoughts	4	0	--	04	30	70	100
	Select any one (Optional Course) of the following-								
5.	ECMO105	Demography	4	0	--	04	30	70	100
	ECMO106	Statistical Methods for Economic Analysis	4	0	--				
	ECMO107	Industrial Economics	4	0	--				
	Total Number of Credits for Semester –I					**20**			
SEMESTER –II									
6.	ECMM201	Micro Economic Analysis II	4	0	--	04	30	70	100
7.	ECMM202	Macro-Economic Analysis II	4	0	--	04	30	70	100
8.	ECMM203	Public Finance-I	4	0	--	04	30	70	100
9.	ECMM204	Economics of Growth and Development -I	4	0	--	04	30	70	100
	Select any one (Optional Course) of the following-								
10.	ECMO205	Financial Institutions and Markets	4	0	--	04	30	70	100
	ECMO206	Gender Economics	4	0	--				
	ECMO207	Rural Development	4	0	--				
	Total Number of Credits for Semester –II					**20**			
Total Number of Credits for First Year						**40**			
SEMESTER -III									
11.	ECMM301	International Economics I	4	0	--	04	30	70	100
12.	ECMM302	Public Finance-II	4	0	--	04	30	70	100
13.	ECMM303	Economics of Growth and Development-II	4	0	--	04	30	70	100
	Select any one (Optional Course) of the following-								
14.	ECMO304	Econometrics	4	0	--	04	30	70	100
	ECMO305	Labor Economics	4	0	--				
	ECMO306	Economics of Infrastructure	4	0	--				
	ECMR307	Research Methodology	4	0	----				
	Select any one (Open Elective) of the following-								
	ECME301	Disaster Management	4	0	--				
	ECME302	Computer Application in Economics	4	0	--				
15.	ECME303	Media Economics	4	0	--	04	30	70	100
	Total Number of Credits for Semester –III					**20**			

SEMESTER –IV									
16.	ECMM401	International Economics II	4	0	--	04	30	70	100
17.	ECMM402	Environmental Economics	4	0	--	04	30	70	100
18.	ECMD451	Dissertation & Viva-Voce	--	--	4	04	30	70	100
	Select any one (Optional Course) of the following-								
19.	ECMO403	Economics of Health and Education	4	0	--	04	30	70	100
	ECMO404	Economics of Insurance	4	0	--				
	ECMO405	Agricultural Economics	4	0	--				
	Select any one (Open Elective) of the following-								
20.	ECME401	International Finance	4	0	--	04	30	70	100
	ECME402	Communication Skills	4	0	--				
	ECME403	Economics of Social Sector	4	0	--				
	Total Number of Credits for Semester –IV					**20**			
	Total Number of Credits for Second Year					**40**			
	Total Number of Credits for First Year					**40**			
	Total Number of Credits for Second Year					**40**			
TOTAL DEGREE CREDITS						**80**			

#ECMM- Core Course, ECMO- Elective Course, ECME- Open Elective, ECMR- Research Course, ECMD-Dissertation & Viva-Voce

FIRST YEAR
Master of Arts (Economics)
Programme
SEMESTER – I

ECMM101: Micro Economic Analysis-I

Course Objectives:

The course aims at enabling students to understand the economic behavior of individuals, firms and markets and equipping them in a rigorous and comprehensive manner with the various aspects of consumer behavior and demand analysis, production theory and behavior of costs for their skill development, employability and entrepreneurship.

Course Content:

Unit- 1: Theory of consumer behavior:

Concept of utility; Diminishing Marginal Utility, Law of Demand and Elasticity of demand; Indifference Curve approaches; Income and substitution effects (Hicks and Slutsky), Slutsky theorem for skill development, Revealed Preference hypothesis

Unit-2: Production Theory:

Production function; Isoquants, Returns to factor and Returns to scale, factor Substitution, Multi-Product Firm, Technical Progress and Production Function. Equilibrium of the firm: Choice of optimal combination of factors of production for skill development, employability and entrepreneurship development.

Unit-3: Theory of the firm:

Firm and its objectives for skill development, employability and entrepreneurship development-equilibrium of the firm under Perfect Competition, Monopoly- Price determination; Multi Plant Monopoly firm and Price Discrimination under Monopoly for skill development, employability and entrepreneurship development.

Unit-4: Monopolistic Competition:

Features, Price determination under Monopolistic Competition, the concepts of 'industry' and group equilibrium for skill development, employability and entrepreneurship development, Chamberlin's Group Equilibrium

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. The students learn and understand the concepts of consumer behavior like utility analysis
and basic concept of Micro Economics like law of demand and supply for skill development at local level.
CO2. The students learn and understand the theory of production for skill development, employability and entrepreneurship development.
CO3. The students learn decision-making process in different market situations such as perfect competition and monopoly markets for skill development, employability and entrepreneurship development at local and national level.
CO4. Apply the knowledge in analyzing the demand, the price and the need of market while introducing a product in monopolistic competition for skill development, employability and entrepreneurship development at local and national level.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	3	2	2	1	1	1	2	1	1
CO2	2	3	2	3	1	1	1	2	1	1
CO3	2	3	2	3	1	1	1	2	1	1
CO4	2	3	2	3	1	1	1	2	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	1	2
CO3	3	1	2
CO4	3	1	2

Suggested Readings:

1- Anupam Agarwal., Micro Economics.
2- Barthwal, R.R., Microeconomic Analysis.
3- Blaug, M., Economic Theory in Retrospect.
4- H. L Aahuja, Micro Economics.
5- Koutsyiannis, A., Modern Microeconomics.
6- Layard, R. and Walters, Microeconomic Theory.
7- M.L. Jhingan, Micro Economics.
8- S. N. Gupta, Micro Economics.
9- Stigler, G.J., Production & Distribution of Theories.
10- Varian, H., Microeconomics Analysis.

Website Sources:

- https://en.wikipedia.org/wiki/Microeconomics
- https://www.pfw.edu/dotAsset/142427.pdf
- https://www.vedantu.com/revision-notes/cbse-class-12-micro-economics-notes
- https://tutorschooleconomics.wordpress.com/category/market-structures-notes/

Note: Latest editions of all the suggested readings must be used.

FIRST YEAR

Master of Arts (Economics) Programme

SEMESTER – I

ECMM102: Macro Economic Analysis I

Course Objectives:

The course aims at enabling students to understand the aggregative economic analysis and the functional relationship between the large aggregates to understand systematic facts and latest theoretical developments for empirical analysis for their skill development, employability and entrepreneurship development.

Unit - 1: National Income and Accounting:

Meaning, Definitions, Concepts and components of National Income, Methods of Measuring National Income, Circular flow of Income in Two, Three and Four Sectors of Economy. Social Accounting: Components, Presentation, Importance and difficulties for skill development.

Unit -2: Theory of Income and Employment:

The Classical Theory, the building blocks-Say's law, labour market and its equilibrium; Price and wage flexibility; Keynesian theory of Income and Employment - Concept of Effective Demand for skill development, employability and entrepreneurship development.

Unit -3: Consumption and Investment Function:

Consumption function; Keynes' psychological law of consumption, implications of the law; Income-consumption Hypothesis: absolute income, relative income, life cycle and permanent income hypothesis; Investment Function- Marginal efficiency of Capital - The Theory of Multiplier; The Theory of Accelerator for employability and entrepreneurship development.

Unit- 4: Demand and Supply of Money:

Demand for Money –Money: concept, classification and functions; Quantity Theory of Money: Fisher's equation, Cambridge Cash Balance Approach, Keynes's liquidity preference approach (Transaction, Precautionary and Speculative Demand for Money) for skill development.

Money Supply-Meaning, determinants and M1, M2, M3 and M4 measures of money supply for skill development for entrepreneurship development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Define the meaning of National Income and its various concepts and methods related to its measurement for skill development at national level.
CO2. Describe the theories of Effective demand, Income and Employment for skill development, employability and entrepreneurship development at national level.
CO3. Describe the theories related to Consumption and Investment Functions nationally for skill development and entrepreneurship development.
CO4. Understand simple concepts related with money and appreciate the potential importance of monetary phenomenon in the economy for skill development and entrepreneurship development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	3	1	1	2	2	2	1	1
CO2	2	2	3	1	1	1	1	1	1	1
CO3	2	2	3	1	1	1	1	2	1	1
CO4	2	1	3	1	1	3	2	2	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	1	2
CO3	2	2	1
CO4	3	1	2

Suggested Readings:

1- Bholey, L.M., Impact of Monetary Policy.
2- Deepashree, Introductory Macro Economics.

3- Gupta S.B., Monetary Economics.
4- Jhingan M.L., Macro Economics.
5- Mishra & Puri, Modern Macro Economics Theory.
6- Mithani D.N., Macro Economics.
7- Singh S.N., Macro Economics.
8- Srivastava M.N., Perspective in Monetary Theory.
9- Vaish M.C., Macro Economics Theory.

Website Sources:

- https://en.wikipedia.org/wiki/Macroeconomics
- https://homepage.univie.ac.at/robert.kunst/macro1.pdf
- https://en.wikipedia.org/wiki/The_General_Theory_of_Employment,_Interest_and_Money
- https://abhipedia.abhimanu.com/Article/IES/MTM5NzM2/Keynesian-theory-of-Employment-and-Output--Economics--II-IES
- https://www.oliveboard.in/blog/concept-of-national-income/

https://en.wikipedia.org/wiki/Measures_of_national_income_and_output

Note: Latest editions of all the suggested readings must be used.

FIRST YEAR

Master of Arts (Economics) Programme

SEMESTER – I

ECMM103: Indian Economic Policy

Course Objectives:

The course aims at enabling students to understand the basic features, aspect and approaches of Indian Economy for their skill development, employability and entrepreneurship development.

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Course Content:

Unit- 1: Economic Development and Structure of Indian Economy:

Growth, Structure and Features of the Indian Economy, Role of State, markets and industries in Economic Development, Indicators of development – PQLI, Human Development Index (HDI), Gender Development Index (GDI) for skill development

Unit - 2: Planning in India:

Objectives and Strategy of Planning; Failures and Achievements of Plans, Review of Five Year Plans, Developing grass – Root Organization for Development – Panchayats, NGOs, and NITI Aayog: Objectives, Composition and Functions for skill development, employability and entrepreneurship development.

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Unit -3: Demographic Features, Poverty and Inequality:

Demographic Features of Indian Economy – Trends of Growth of Population, Birth and Death Rates; Sex Ratio, Rural – urban migration, Occupational Distribution, Causes for rapid growth, Remedies, National Population Policy 2000, Poverty: its causes, Problems and Solutions, inequality and social justice for skill development.

Unit - 4: Resource Base and Infrastructure:

Social infrastructure – education and health; Regional imbalance; issues and Policies in financing infrastructure development, Irrigation: Means, Problems and Suggestions, Transportation: Importance and Means for skill development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Define the meaning of Growth, Structure and Features of the Indian Economy for skill development at national level.
CO2. Explain the objectives and Strategy of Planning in India for skill development, employability and entrepreneurship development.
CO3. Describe the knowledge of the basic demographic features, aspects and basic problems of Indian Economy for skill development at national level.
CO4. Describe the knowledge of social infrastructure of Indian Economy nationally for skill development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	1	1	1	2	1	1	1	1	3
CO2	2	1	1	1	2	2	2	1	1	3
CO3	2	1	1	1	1	1	1	1	1	3
CO4	2	1	1	1	1	1	1	1	1	3

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	2	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1. Ahluwalia, I.J. and Little, I.M.D., India's Economic Reforms and development.
2. Ghosh, Alak, Indian Economy.
3. Sen, R.K. and Chatterjee, B., Indian Economy.
4. Jalan, B., India's Economic Policy.
5. Bardhan, P.K., The Political Economy of Development in India.
6. Chakravarty, S., Development Planning: The Indian Experience.
7. Dantwala, M.L., Dilemmas of Growth: The Indian Experience.

8. Kapila U, Indian Economy since Independence.
9. Panagariya, A., India: The Emerging Giant.
10. Rakshit, M., A Macroeconomics of Post-Reforms India.

Website Sources:

- https://byjus.com/commerce/economic-reforms/
- https://en.wikipedia.org/wiki/Five-Year_Plans_of_India
- https://en.wikipedia.org/wiki/Poverty_in_India
- https://journals.openedition.org/echogeo/14300?lang=en

Note: Latest editions of all the suggested readings must be used.

FIRST YEAR
Master of Arts (Economics)
Programme

SEMESTER – I

ECMM104: History of Economic Thoughts

Course Objectives:

The course aims at enabling students to understand the thoughts of various renowned economists of the ancient era to the modern one to understand the socio –economic paradigm shift and its complexities for skill development.

Course Content:

Unit- 1: Early Period –

Economic thought of plato and aristotle- Doctrines of just cost and just price Mercantilism: main characteristics; Thomas Mun- Physiocracy; natural order, primacy of agriculture, social classes, Tableau Economies, taxation, Turgot-Economic ideas of petty, Locke and Hume for skill development.

Unit - 2: Classical Period –

Adam Smith- division of labour, theory of value, capital accumulation, distribution, views on trade, economic progress; David Richardo- value, theory of rent, distribution, ideas on economic development and international trade for skill development; Thoams R. Matthus- theory of population, theory of gluts; German romantics and socialist- Sismondi, Karl Marx- dynamics of social change. Theory of value; Surplus value, profit and crisis of capitalism economic ideas of J.B. Say, JS Mill, Historical School- Senior List for skill development.

Unit -3: Marginalists –

The precursors of marginalism- cournot, thunen, Gossen- the marginalist revolution: Jevons, Walras and Menger- Bohm- Bawark, Wicksell and Fisher: the rate of interest- wicksteed and weiser for skill development.

Unit 4: Distribution-

Marshall as a great synthesizer: role of time in prime determination, economic methods, ideas on consumers surplus, Elasticity, prime and supplementary costs, representative form, external and internal economics, quasi-rent, organization as a factor of production for skill development, nature of profit, pigou: welfare economics; Schumpeter: role of entrepreneur and innovation for skill development.

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Course Outcomes:

After completing this course students will be able to:

CO1. To introduce the students about Indian Economic Thinkers related to early period and their valuable contribution in the field of Economics for skill development at national level and global level.
CO2. To introduce the students about Indian Economic Thinkers related to classical period and their valuable contribution in the field of Economics for skill development at national level and global level.
CO3. The classical, the marginalize revolution and its application to the theories of general and partial equilibrium for skill development
CO4. Describe the students about the role of Professor Marshall, Pigou and Schumpeter in Economics for skill development

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	1	1	1	2	1	1	1	1	2
CO2	2	1	1	1	1	1	1	1	1	1
CO3	2	1	1	1	1	1	1	1	1	1
CO4	2	1	1	1	3	1	1	1	1	2

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Gide, C. and Rist, G. (1956, A History of Economic Doctrines.
2- Roll, E. (1973), A History of Economic thought.
3- Hajela, T.N., History of Economic Thought.
4- Sinhah, Aarthik Vicharoa ka Itiahs.
5- Pant, Jeevan Chand, Aarthik vicharoa ka itihas.

Website Sources:

- https://www.plurale-oekonomik.de/fileadmin/redakteure/bund/pdf/Materialien/History.pdf
- https://www.economicsnetwork.ac.uk/teaching/Online%20Text%20and%20Notes/History%20of%20Economic%20Thought
- https://en.wikipedia.org/wiki/History_of_economic_thought

Note: Latest editions of all the suggested readings must be used.

FIRST YEAR
Master of Arts (Economics)
Programme

SEMESTER – I

ECMO105: Demography

Course Objectives:

The course aims at enabling students to understand the importance of population in economic development and the various theories that explain the growth of population in a country for skill development. The course also enlightens the student on the quantitative and the qualitative aspects and characteristics of the population through various demographic techniques for skill development, employability and entrepreneurship development.

Course Content:

Unit 1: Fundamental of Population Studies:

Meaning, Nature and scope of Population Studies, Measures of Population Change, Population Structure and Distribution; Demographic Processes – Mortality (Concept, Measurement, and determinants), Fertility (Importance, Measurement, and determinants) Nuptiality (Concept, Measurement, and determinants of Nuptiality Rates) Age at Marriage, Population Estimation and projections for skill development.

Unit - 2: Population Growth and Economic Development

Theories of Population – Malthus, Optimum theory of Population, Theory of Demographic Transition ; Role of Population in Economic Development, Effects of economic development on Fertility and Population growth; Concept of human development and its Indicators for skill development.

Unit- 3: Migration and Urbanization

Migration – Concept, types and Problems, Factors affecting, Theories of Migration related to internal Migration; Urbanization – Meaning, Causes and effects; Factors responsible for Increasing Urbanization in India for skill development, employability and entrepreneurship development.

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Unit- 4: Demographic Features and Population Policy in India:

Changing Characteristics of Population in India: Growth rates, trend and regional variations in sex ratio; age structure of population; infant and child mortality rates; maternal mortality rates; life expectancy; Appraisal of Kerala model, Factors responsible for high fertility rate in India, Population Policy since independence, Shift

in Population Policy from Population control to family Welfare and Women empowerment in India for skill development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the distribution of the population using various demographic characteristics and explain the various demographic concepts and formulas for skill development at local and national level.
CO2. Describe the population growth, economic development and estimate the rate of change in the population for skill development.
CO3. Explain the concept of migration and urbanization in India for skill development, employability and entrepreneurship development at national level.

CO4. To introduce the students about demographic features and population policy of India nationally for skill development

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	1	1	2	1	1	2	1	1
CO2	2	2	1	1	2	1	1	2	1	1
CO3	2	2	1	1	2	1	1	2	1	2
CO4	2	2	1	1	2	1	1	2	1	3

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**

CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Agarwal, S.N., India's Population Problem.
2- Seth, M., Women and Development: The Indian Express.
3- Simon, J.L., Population and Development in Poor Countries.

Website Sources:

- https://www.msuniv.ac.in/Download/Pdf/cbb9ba4c9db94b3
- https://www.researchgate.net/publication/323560643_Introduction_to_demography/link/5a9d86bf0f7e9bc35fcfbf6f/download
- https://en.wikipedia.org/wiki/Demography

Note: Latest editions of all the suggested readings must be used.

FIRST YEAR
Master of Arts (Economics)
Programme

SEMESTER – I

ECMO106: Statistical Methods for Economic Analysis

Course Objectives:

The main objective of this paper is to train the students to use the techniques of statistical analysis, which are commonly applied to understand and analyze economic problems. The paper deals with simple tools and techniques, which will help a student in data collection, presentation, analysis and drawing inferences about various statistical hypotheses for skill development.

Unit 1: Index Number:

Meaning and importance of index number, construction of index numbers, Problems involved, Laspayer's and Fisher's Index Numbers. Factor Reversal test and time Reversal Test. Circular Test of Consistency Fixed base and Chain base Index Numbers. Base shifting and splicing of Index Numbers, Time Series: Components of Time series, Measurement of trend by moving average method and the method of least squares. Curve fitting by mathematical equations for skill development

Unit 2: Correlation and Regression:

Meaning , assumptions and limitations of simple correlation and regression analysis; Pearson's product moment and Spearman's rank correlation coefficients and their properties; concept of the least squares and the lines of regression; Standard error of estimate; Partial and multiple correlation and regression (applications only) for skill development

Unit 3: Elementary Sampling Theory:

Basic concept of sampling-random and non-random sampling; simple Random Sampling, Stratified Sampling, p.p.s. Sampling. Probability: Definition and importance, various concepts of events, simple numerical exercises based on the addition and multiplication theorem for skill development

Unit 4: Theoretical Frequency Distribution:

Properties of Binomial, Normal and Poisson distribution, Simple Numerical Exercises, Tests of significance-Problems based on 't', chi-square and z-test for skill development

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Define the meaning, importance and constructions of index number for skill development. .

CO2. Define the meaning, importance and constructions of correlation and regression for skill development.

CO3. Describe the basic concept of sampling-random and non-random sampling for skill development.

CO4. Describe the theoretical frequency of distribution for skill development.

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PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	1	1	1	1	1	3	1	1
CO2	2	2	1	1	1	1	1	3	1	1
CO3	2	2	1	1	1	1	1	3	1	1
CO4	2	2	1	1	1	1	1	3	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Kapoor, V.K., Essentials of Mathematics for Business and Economics.
2- Allen, R. G. D., Mathematical analysis for economists.
3- Chiang, A. C., Fundamental methods of mathematical economics.
4- Chung, J.W., Utility and Production: Theory and Approach.
5- Intrilligator, M., Mathematical optimization and economic theory.
6- Soper, Jean, Mathematics for Economics and Business: An Interactive Introduction.

Website Sources:

- https://www.economicsdiscussion.net/articles/statistical-tools-used-in-economic-analysis/2319
- https://www.birmingham.ac.uk/schools/mathematics/ug-admissions/jinan/modules/statistical-economics.aspx
- https://en.wikipedia.org/wiki/Economic_statistics
- http://ebooks.lpude.in/arts/ma_economics/year_2/DECO504_STATISTICAL_METHODS_IN_ECONOMICS_ENGLISH.pdf

Note: Latest editions of all the suggested readings must be used.

FIRST YEAR
Master of Arts (Economics)
Programme

SEMESTER – I

ECMO107: Industrial Economics

Course Objectives:

The course aims at enabling students to understand the basic issues such as productivity, efficiency, capacity utilization and debates involved in the industrial development of India and to provide a thorough knowledge about the economics of industry in a cogent and analytical manner for skill development, employability and entrepreneurship development particularly in the Indian context.

Course Content:

Unit 1: Introduction:

Industrialization and its importance ; Problems of industrialization in the Developing Economies; Problems of selected Indian Industries – Iron and Steel, Cotton Textile, Jute, Sugar, Coal and Cement, Development of Small Scale and Cottage Industries; Structure of Industrial Labour in India for skill development, employability and entrepreneurship development.

Unit - 2: Market Structure and Product pricing:

Sellers' concentration; Product differentiation; Entry conditions; Economies of scale; Market structure and profitability; Market structure and innovation; Theories of industrial location — Weber and Sargent Florence; Factors affecting location Theories and evidence; Investment expenditure, Methods of evaluating investment expenditure; Theories and empirical evidence on Mergers and acquisitions (M & As), diversification for skill development, employability and entrepreneurship development

Unit -3: Market Performance:

Growth of the firm — Size and growth of a firm; Growth and profitability of the firm; Constraints on growth; Productivity, efficiency and capacity utilization — Concept and measurement, Indian situation for skill development and entrepreneurship development

Unit- 4: Indian Industrial Growth and Pattern:

Classification of industries; Industrial policy in India — Role of Public and private sectors; Recent trends in Indian industrial growth; MNCs and transfer of technology; Liberalization and privatization; Regional industrial growth in India; Industrial economic concentration and remedial measures; Issues in industrial proliferation and environmental preservation; Pollution control policies for skill development and entrepreneurship development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the importance of Industrialization in the Developed and Developing Economies and explain the various problems related to Industrialization for skill development, employability and entrepreneurship development at local and national level.
CO2. Describe the market structure and product pricing for skill development, employability and entrepreneurship development.
CO3. Provide a thorough knowledge about the market and firm performance for skill development and entrepreneurship development.
CO4. Provide a thorough knowledge about the economics of industry in a cogent and analytical manner and Indian industrial growth and pattern for skill development and entrepreneurship development at local and national level.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	3	3	2	3	2	2	2	1	1	1
CO2	3	3	2	2	1	2	2	1	1	1
CO3	3	3	2	3	1	2	1	1	1	1
CO4	3	3	2	2	3	2	2	1	1	3

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	2
CO2	3	1	1
CO3	3	1	2
CO4	3	1	1

Suggested Readings:

1- Bains, J.S., Industrial Organization.
2- Desal, B., Industrial Economy in India.
3- Mamoria and Mamoria, Dynamics of Industrial Relations in India
4- Singh, S.P., Aoudhyogik Arthshastra (Hindi).

Website Sources:

- https://www.exoticindiaart.com/book/details/industrial-economics-MZF875/
- https://www.civilhindipedia.com/downloads/ignou-economics-study-material-in-hindi
- https://www.pdfdrive.com/mapart-i-industrial-economics-e33687993.html

- **Note: Latest editions of all the suggested readings must be used.**

FIRST YEAR
Master of Arts (Economics)
Programme

SEMESTER – II

ECMM201: Micro Economic Analysis -II

Course Objectives:

The course aims at enabling students to understand the economic behaviour of individuals, firms and markets and equipping them in a rigorous and comprehensive manner with the various aspects of consumer behaviour and demand analysis, production theory and behaviour of costs. for skill development and entrepreneurship development.

Course Content:

Unit-1: Collusive Oligopoly:

Cartels; Joint Profit Maximization & Market sharing Cartels; Price Leadership; Low Cost price leader, dominant firm price leader for skill development and entrepreneurship development..

Unit-2: Non Collusive Oligopoly:

Cournot's Duopoly Model, Bertrand's Model, Chamberlin's Model, Kinked Demand model, Stackelberg's Solution for skill development and entrepreneurship development.

Unit-3: Factor pricing and income distribution:

Classical Marginal productivity theory and its limitations, Elasticity of factor substitutions, Theories of distribution — Ricardian, Marxian, Kalecki and Kaldor's Factor pricing in perfectly and imperfectly competitive markets, Euler's Theorem for skill development and entrepreneurship development.

Unit-4: General Equilibrium and Welfare Economics:

Interdependence in the economy, Walrasian system, Existence uniqueness and stability of equilibrium, Edge Worth Box: Pure exchange model. Welfare Economics: Pigou's concept of welfare, Criteria of social welfare, Pareto optimality for skill development and entrepreneurship development..

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. The students learn decision-making process in different market situations such as Collusive oligopoly competition for skill development and entrepreneurship development.

CO2. The students learn decision-making process in different market situations such as non-collusive oligopoly competition for skill development and entrepreneurship development.

CO3. Explain the students about factor pricing and income distribution for skill development and entrepreneurship development.
CO4. Describe the welfare economics and general equilibrium in closed and open systems for skill development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	3	2	3	1	1	1	1	1	1
CO2	2	3	2	3	1	1	1	1	1	1
CO3	2	3	2	3	1	1	1	2	1	1
CO4	2	3	2	3	1	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	2
CO2	3	1	1
CO3	3	1	2
CO4	3	1	1

Suggested Readings:

- Anupam Agarwal., Micro Economics.
- Barthwal, R.R., Microeconomic Analysis.
- Blaug, M., Economic Theory in Retrospect.
- H. L Aahuja, Micro Economics.
- Koutsyiannis, A., Modern Microeconomics.
- Layard, R. and Walters, Microeconomic Theory.
- M.L. Jhingan, Micro Economics.
- S. N. Gupta, Micro Economics.
- Stigler, G.J., Production & Distribution of Theories.
- Varian, H., Microeconomics Analysis.

Website Sources:

- https://en.wikipedia.org/wiki/Microeconomics
- https://www.pfw.edu/dotAsset/142427.pdf
- https://www.vedantu.com/revision-notes/cbse-class-12-micro-economics-notes
- https://tutorschooleconomics.wordpress.com/category/market-structures-notes/

FIRST YEAR
Master of Arts (Economics)
Programme

SEMESTER – II

ECMM202: Macro Economic Analysis- II

Course Objectives:

The course aims at enabling students to understand the aggregative economic analyses and the functional relationship between the large aggregates to understand systemic facts and latest theoretical developments for empirical analysis for skill development, employability and entrepreneurship development.

Course Content:

Unit-1: IS-LM Analysis:

Goods and Money Market equilibrium, The IS-LM model; Extension of IS-LM model with government sector; Relative effectiveness of monetary and fiscal policies; Extension of IS-LM models with labour market and flexible prices for skill development, employability and entrepreneurship development.

Unit-2: Post-Keynesian approaches to Demand for Money –

Patinkin and the Real Balance Effect, Approaches of Baumol and Tobin; Friedman and the modern quantity theory for skill development; Crisis in Keynesian economics and the revival of monetarism

Unit-3: Theory of Inflation:

Inflation-Meaning, types, causes, effects and measures to control**;** Classical, Keynesian, Monetarist approaches to inflation and Structuralist theory of inflation, the trade-off between inflation and unemployment: Short run and long run Phillips curve for skill development and entrepreneurship development.

Unit-4: Theories of Trade Cycles:

Schumpeter, Samuelson, Hicks and Kaldor models; Control of Trade cycles - relative efficacy of Monetary and Fiscal policies for skill development and entrepreneurship development

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Apply the knowledge to understand the aggregative economic analysis and Explain the IS - LM model for skill development, employability and entrepreneurship development.
CO2. Describe in detail the post-Keynesian approaches to demand for money for skill development
CO3. Define the meaning of Inflation and explain its various types, causes, effects and measures to control it effectively for skill development, employability and entrepreneurship development.
CO4. Describe the different theories of Trade Cycles and analyze the various fluctuations occurring in Trade Cycles for skill development, employability and entrepreneurship development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	3	2	2	1	2	2	1	1	1
CO2	2	3	2	1	1	1	1	1	1	1
CO3	2	3	2	1	1	2	2	1	1	1
CO4	2	3	2	2	1	2	2	1	1	1

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

CO-Curriculum Enrichment Mapping

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	2
CO2	3	1	1
CO3	2	1	2
CO4	3	1	1

Suggested Readings:

1- Gupta, S.B., Monetary Economics.
2- Srivastava, M.N., Perspective in Monetary Theory.
3- Bholey, L.M., Impact of Monetary Policy.
4- Vaish, M.C., Macro Economics Theory.

5- Mithani, D.N., Macro Economics.
6- Singh, S.N., Macro Economics.
7- Mishra & Puri, Modern Macro Economics Theory.
8- Deepashree, Introductory Macro Economics.
9- Jhingan, M.L., Macro Economics.

Website Sources:

- https://en.wikipedia.org/wiki/Macroeconomics
- https://homepage.univie.ac.at/robert.kunst/macro1.pdf
- https://en.wikipedia.org/wiki/The_General_Theory_of_Employment,_Interest_and_Money
- https://abhipedia.abhimanu.com/Article/IES/MTM5NzM2/Keynesian-theory-of-Employment-and-Output--Economics--II-IEShttps://www.oliveboard.in/blog/concept-of-national-income/https://en.wikipedia.org/wiki/Measures_of_national_income_and_output

FIRST YEAR

Master of Arts (Economics) Programme

SEMESTER – II

ECMM203: Public Finance -I

Course Objectives:

The course aims at enabling students to understand the financial activities of government concerning revenue, expenditure and debt operations and their impact on economy and to analyze the impact of these financial activities on individuals and corporate bodies for skill development, employability and entrepreneurship development.

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Unit - 1: Introduction:

Nature, Scope and Importance of Public Finance, Public, Private and Merit Goods; Externalities and Market Failure, Role of Public and Private Sector in Indian Economy, Role of Government in economic activities- Allocation, Stabilization and Distributive for skill development, employability and entrepreneurship development.

Unit - 2: Public Expenditure:

Meaning, Scope, Canons of Public Expenditure, Modern theory of Public Expenditure - Wagner's Law of increasing state activities, Peacock Wiseman Hypothesis, Colin Clark Hypothesis; effects of Public Expenditure on Production, Growth, Distribution and Stabilization, Reasons for Growth of Public Expenditure for skill development and entrepreneurship development

Unit -3: Public Revenue:

Meaning, Sources, Classification, Principles, Effects and Significance; Taxation: classification, Principles of Taxation; Benefits and ability to pay approaches in Taxation, Effects of Taxation for skill development and entrepreneurship development.

Unit - 4: Public Dept:

Importance, Classification, Sources, Public v/s Private Debt, Effects and Redemption of Public Debt, Recardian Equivalence Theorem for skill development and entrepreneurship development.

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Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Define the meaning, nature, Scope and Importance of public finance and role of Government sector and private sector in economic activities for skill development, employability and entrepreneurship development.
CO2. Explain the Government financial activities concerning Public Expenditure for skill development and entrepreneurship development.
CO3. Explain the Government financial activities concerning Public Revenue and taxation for skill development and entrepreneurship development.
CO4. Explain the Government financial activities concerning Public Debt for skill development and entrepreneurship development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	3	2	1	1	2	2	1	3	1
CO2	2	3	2	1	1	1	2	1	3	1
CO3	2	3	2	1	1	2	2	1	3	1
CO4	2	3	2	1	1	2	2	1	3	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	2	1	1
CO2	2	1	1
CO3	2	1	1
CO4	2	1	2

Suggested Readings:

1- Bhargava, R. N., The Theory and Working of Union Finance in India.
2- Bhatia, H.L., Public Finance.

3- Pant, J.C., Lok Arthshastra (Hindi).
4- Prest, A. R., Public Finance in Theory and Practice.
5- R. A. Musgrave, The Theory of Public finance.

Website Sources:

- https://edurev.in/courses/10460_Public-Finance-Notes--Videos
- http://rccmindore.com/wp-content/uploads/2015/06/Public-Finance-II-year.pdf
- http://www.rjspm.com/PDF/Public-Finance-Notes-PDF.pdf
- http://ebooks.lpude.in/arts/ma_economics/year_1/DECO404_PUBLIC_FINANCE_ENGLISH.pdf

FIRST YEAR
Master of Arts (Economics)
Programme

SEMESTER – II

ECMM204: Economics of Growth and Development -I

Course Objectives:

The course aims at enabling students to understand the basic principles, approaches and aspects of economic growth and economic development.

Unit – 1: Introduction:

Underdevelopment – Meaning and Features of developing economies, Traditional and Modern Views of Development; Economic Growth vs Economic Development, Economic Development – Indicators, Measurement and Factors affecting, Indicators, Sustainable Development for skill development.

Unit – 2: Social and Institutional Aspects of Development:

Human Resources Development; Population problems and growth pattern of population – Theory of demographic transition; Population as retarding factor to growth; Poverty – Absolute and Relative; Poverty alleviation for skill development

Unit- 3: Sectoral Aspects of Development:

Role of Agricultural in Economic Development, New Technology and Sustainable agriculture, Globalization and agricultural growth; Rationale and pattern of Industrialization in developing Countries ; Technology and Economic development , Choice of technique, Infrastructure and importance for skill development, employability and entrepreneurship development

Unit – 4: Macro Economic Policies, Trade and Economic Development:

International Trade as engine of growth, Effects of Trade, WTO and developing countries; Role of Monetary and Fiscal policies in developing countries –Role of MNC's activities in developing countries for skill development and entrepreneurship development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Demonstrate an understanding of economic growth theory, development and policy implications for skill development.

CO2. Describe the Social and Institutional Aspects of Development for skill development, employability and entrepreneurship development.
CO3. Describe the sectoral aspects of development as agricultural and industrial development for skill development and entrepreneurship development.
CO4. Describe the macroeconomic policies, trade and economic development for skill development and entrepreneurship development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	1	1	1	1	2	2	1	1
CO2	2	2	1	1	1	1	1	2	1	1
CO3	2	2	1	1	1	1	1	2	1	1
CO4	2	2	1	1	1	1	2	2	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	1	1
CO3	3	1	2
CO4	3	1	1

Suggested Readings:

1- Aghion, P. and Peter Howit, Economics of Growth.
2- Debraj Ray, Development Economics.
3- Ghatak, S., An Introduction to Development Economics.
4- Graboski, R., Economic Development.
5- Hayami, Y., Development Economics.
6- Higgins, B, Economic Development.
7- Lekhi R.K., Economics of Growth and Development and Planning.
8- Misra Puri, Economics of development of planning.
9- Mukherjee, S.K, Textbook of economic development.
10- Ray, Debraj, Development Economics.

11- Thirlwal, AP, Growth of Development.

Website Sources:

- http://ebooks.lpude.in/arts/ma_economics/year_2/DECO501_ECONOMICS_OF_GROWTH_AND_DEVELPOMENT_ENGLISH.pdf
- https://www.researchgate.net/publication/309577823_Concepts_of_Economic_Growth_and_Development_Challenges_of_Crisis_and_of_Knowledge
- https://sg.inflibnet.ac.in/bitstream/10603/173845/8/08_chapter%201.pdf

FIRST YEAR
Master of Arts (Economics)
Programme

SEMESTER – II

ECMO205: Financial Institutions and Markets

Course Objectives:

The course aims at enabling students to understand about the institutions, markets and securities that form the basis of modern financial and monetary systems. This course exposes students to the theory and functioning of the monetary and financial sectors of the economy. It highlights the organization, structure and role of financial markets and institutions for their skill development, employability and entrepreneurship development.

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Course Content:

Unit-1 Structure of Financial System

Structure of financial system; Functions of financial sector; financial system and economic development; financial intermediation and financial intermediaries; Indicators of financial development; Regulatory financial institutions, RBI- Role and functions; SEBI-Objectives, functions and its performance in the working of capital market in India for skill development, employability and entrepreneurship development.

Unit- 2 Non Bank Financial Institutions

NBFIs- Definition, types, growth and their impact on India's economic development; Small savings-Growth and composition; Provident funds, Pension funds; Hire-purchase finance; Lease financing; Merchant banking, Venture capital funds for skill development, employability and entrepreneurship development.

Unit- 3 UTI and Mutual Funds

UTI and Mutual funds- Organization and schemes; Insurance companies-Types and structure; Insurance Regulatory and Development Authority (IRDA)-objectives, functions and performance; Credit rating agencies in India-Objectives and functions for skill development, employability and entrepreneurship development

Unit- 4: Foreign Exchange Market

Foreign exchange market – Nature, organization and participants; Exchange rates systems–types and determinants, devaluation, and depreciation; Recent developments in foreign exchange market; Markets for futures, options and other financial

derivatives, Current global financial crisis (2008); Causes, impact, policy responses and lessons for skill development and entrepreneurship development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the structure of financial system and regulatory financial institutions as RBI, SEBI etc... for skill development, employability and entrepreneurship development.

CO2. Describe the Non-Bank Financial Institutions and their impact on India's economic development for skill development, employability and entrepreneurship development.

CO3. Explain the students the role of UTI, mutual funds, Insurance companies and IRDA for skill development, employability and entrepreneurship development.

CO4. Describe the foreign exchange market, exchange rates systems and recent developments in foreign exchange market for skill development and entrepreneurship development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	3	2	3	1	2	2	1	1	1
CO2	2	3	2	3	1	2	1	1	1	1
CO3	2	3	2	3	1	2	2	1	1	1
CO4	2	3	2	3	1	2	2	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	2
CO2	3	1	1
CO3	3	1	1
CO4	3	1	2

Suggested Readings:

1- Avadhani V.A., Financial Economics, Theory and Practice.
2- Avadhani, V.A., Investment and Security Markets in India.
3- Bhole, L.M., Financial Institutions and Markets.
4- Chandeller, L.V. and Goldfeld, S. H., The Economics of Money and Banking.
5- Crowther, G., An Outline of Money.
6- Gupta, S.B., Monetary Economics: Institutions, Theory and Policy.
7- Gupta, S.B., Monetary Planning for India.
8- Gurley and Shaw, Money in a Theory of Finance.
9- Melvin, International Money and Finance.
10- Sayers, R.S., Modern Banking.

Website Sources:

- http://ebooks.lpude.in/management/mba/term_3/DMGT512_FINANCIAL_INSTITUTIONS_AND_SERVICES.pdf
- http://www.crectirupati.com/sites/default/files/lecture_notes/FIMS.pdf
- https://www.audisankara.ac.in/alms/pdf/fimsln.pdf

FIRST YEAR
Master of Arts (Economics)
Programme
SEMESTER – II
ECMO206: Gender Economics

Course Objectives:

The course aims at enabling students to understand basics of gender inequality and economic role of women and their contribution at theoretical level and also with regard to specificity of issues prevailing in the Indian context for skill development employability and entrepreneurship development.

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Course Content:

Unit 1: Introduction to Gender Studies:

Importance and concepts of women studies — Women in patriarchal and matriarchal societies and structures, patrilineal and matrilineal systems and relevance to present day society in India; Economic basis and functioning of patriarchy in developed and LDCs, particularly India for skill development; Gender bias in the theories of value, distribution, and population.

Unit 2: Women in Decision Making and Conceptualization of Women's Work:

Factors affecting decision making by women; property rights, access to and control over economic resources, assets; Power of decision making at household, class, community level; Economic status of women and its effect on work-participation rate, income level, health, and education in developing countries and India; Role of kinship in allocating domestic and social resources for employability, Concept and analysis of women's work: Valuation of productive and unproductive work; visible and invisible work; paid and unpaid work; economically productive and socially productive work — Economic status, private property, and participation of women in pre-industrial and industrial societies — Female contribution to National Income for skill development employability and entrepreneurship development.

Unit 3: Women and Labor Markets:

Factors affecting female entry in labor market; Supply and demand for female labor in developed and developing countries, particularly India; Studies of female work participation in agriculture, nonagricultural rural activities, informal sector, cottage and small-scale industries, organized industry, and services sector; Wage differentials in female activities; Determinants of wage differentials; gender, education, skill, productivity, efficiency, opportunity; Structures of wages across regions and economic sectors for skill development employability and entrepreneurship development.

Unit 4: Social Security and Social Protection for Women:

Social security of women: entitlements, ensuring economic independence and risk coverage, access to credit and insurance markets; Role of voluntary organizations, self-help groups in

providing social security; Labour market biases and gender discrimination; effectiveness of collective bargaining; Review of legislation for women's entitlements, protection of property rights, social security — Schemes for safety net for women; Need for female labour unions; affirmative action for women and improvement in their economic and social status for skill development employability and entrepreneurship development

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Explain the Importance and concepts of women studies and describe the social security and social protection for women for skill development

CO2. Explain the students about Women in Decision Making and Conceptualization of Women's Work for skill development employability and entrepreneurship development

CO3. Explain the role of women in labor market and their supply and demand in developing and developed countries for skill development employability and entrepreneurship development.

CO4. Explain the basic social security and social protection for women in the society for skill development, employability and entrepreneurship development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	3	2	1	1	1	1	2	1	1
CO2	2	3	2	1	1	1	1	2	1	1
CO3	2	3	2	1	1	1	1	2	1	2
CO4	2	3	2	1	1	1	1	2	1	2

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	1	1

CO3	3	1	2
CO4	3	1	2

Suggested Readings:

1- Agarwal, Bina, A field of ones' own.
2- Boserup. E., Women's Role in Economic Development.
3- Desai, N. and M.K. Raj,Women and Society in India.
4- Government of India, Towards Equality.
5- Naila, Kabeer, Reversed Realities.
6- Sen, Gita, Women at the New World Economy.
7- Seth, M., Women and Development: The Indian Experience.
8- Srinivasan K. and A. Shariff, India: Towards Population and Development Goals.
9- Venkateswaran S., Environment, Development and the Gender Gap.
10- Wazir, R., The Gender Gap in Basic Education: NGOs as Change Agents.

Website Sources:

- https://gendereconomics.com/
- https://www.exploring-economics.org/en/discover/illuminating-role-gender-economy/
- https://www.ineteconomics.org/events/gender-and-economics

FIRST YEAR
Master of Arts (Economics)
Programme
SEMESTER – II
ECMO207: Rural Development

Course Objectives:

The course aims at enabling students to understand about the rural realities, theories and determinants of rural development to enable students to understand about the rural realities and to provide knowledge on the government and voluntary efforts towards rural community development for skill development and entrepreneurship development.

Course Content:

Unit 1: Rural Development:

Nature and scope – Importance and objectives of Rural Development, Role of NGO.- Rural Economy of India: size and structure of Rural Economy - The characteristics of the Rural Sector - Role of Agricultural and Allied Sector- Role of the Non-Agricultural sub-sector – Nature of changes since Independence - Challenges and opportunities for skill development and entrepreneurship development

Unit-2: Measures of Development:

Measures of the level of Rural Development - Measures of Distribution of Income - Measures of Development simplified - Some Measures of Rural Poverty for skill development

Unit-3: Paradigms of Rural Development:

Introduction - The Modernization Theory - Rosenstein - Rodan's Theory of the 'Big Push' - Leibenstein's critical minimum Effort Thesis - Lewis Model of Economic Development with unlimited supply of Labor force - Gunnar Myrdal’s Thesis of Spread and Back ward Effects - The Human Capital model of Development - Gandhian Model of Rural Development - Development theories from other social sciences for skill development

Unit-4: Determinants of Rural Development:

Change in Output - Changes in the Utilization of Natural Resources – Employment, Capital, Technology and Industrial framework for skill development

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Explain the various aspects related to rural development and rural economy for skill development and entrepreneurship development.
CO2. Explain the various measures of rural development for skill development.
CO3. Describe the paradigms of rural development for skill development.
CO4. Describe the various determinants of rural development for skill development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	1	1	1	1	1	1	1	1	1
CO2	2	1	1	1	1	1	1	1	1	1
CO3	2	1	1	1	1	1	1	1	1	1
CO4	2	1	1	1	1	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	2
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- NABARD, Review of working of Regional Rural Bank.
2- Bhalla. G. S., Economic Liberalization and Indian Agriculture.
3- Mellor, John and Desai, Gunvant, Agricultural Change and Rural Poverty.
4- Satyasundaram, I., Rural Development.
5- Singh, Katar, Rural Development - principles policies and Management.

Website Sources:

- https://www.toppr.com/guides/economics/rural-development/rural-development-in-india/
- http://www2.harpercollege.edu/mhealy/g101ilec/intro/eco/ecomea/ecomeafr.htm
- https://link.springer.com/chapter/10.1007/978-981-13-1894-8_1

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – III

ECMM301: International Economics I

Course Objectives:

The course aims at enabling students to understand the issues in International trade and Global Institutions with the help of Sound Economic Theories and Applications which tend to govern the free flow of trade in goods, services and capital — both short-term and long-term — at the global level for skill development, employability and entrepreneurship development.

Course Content:

Unit -1:

Introduction and Classical Theory of International Trade:

International Trade- Meaning, Characteristics, Economic Growth and international trade, Recent Trends, Theories of Absolute Advantage, Comparative Advantage and Opportunity Costs

Unit- 2: Modern Theory of International Trade:

Heckscher - Ohlin theory of trade, Stopler Samuelson and Rybezynski theorem; Terms of Trade- Concept, classification, importance, Gains - Factors affecting, and limitations for skill development and entrepreneurship development

Unit- 3: Exchange Rate:

Purchasing Power Parity Theory, Mint Parity Theory, Causes of Changes in Exchange Rates, Fixed and Floating Exchange Rates, Exchange Control for skill development and entrepreneurship development

Unit - 4: Balance of Payments:

Concept, Components, Importance, Balance of Trade vs Balance of Payments; Disequilibrium-Types, causes and policies to correct disequilibrium in balance of payments for skill development, employability and entrepreneurship development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the concept of International trade and classical theory of International trade for skill development.

CO2. Describe the modern theories of International trade for skill development and entrepreneurship development at national and global level.
CO3. Explain the concept of exchange rate and exchange control for skill development and entrepreneurship development globally.
CO4.Describe the concept, components, importance of Balance of Trade and differentiate between Balance of Trade and Balance of Payments for skill development, employability and entrepreneurship development globally.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	2	2	1	3	1	1	1	1
CO2	2	2	2	2	1	3	1	1	1	1
CO3	2	2	2	2	1	3	1	1	1	1
CO4	2	2	2	2	1	3	1	1`	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	1	2
CO3	3	1	2
CO4	3	2	2

Suggested Readings:

1- Agarwal & Varla, Anterrashriya Arthshastra (Hindi).
2- Charles, Kindleberger, International Economics.
3- Ellsworth, P. T., Anterrashriya Arthshastra (Hindi).

Website Sources:

- https://www.economicsdiscussion.net/international-economics/international-economics-its-concept-parts/4205

- https://en.wikipedia.org/wiki/International_economics
- http://internationalecon.com/Trade/Tch5/T5-2.php
- https://www.sciencedirect.com/topics/economics-econometrics-and-finance/international-economics

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme
SEMESTER – III
ECMM302: Public Finance -II

Course Objectives:

The course aims at enabling students to understand the financial activities of government concerning revenue, expenditure and debt operations and their impact on economy and to analyze the impact of these financial activities on individuals and corporate bodies for skill development, employability and entrepreneurship development.

Course Content:

Unit-1: Fiscal federalism in India:

Principles and Problems of Federal Finance, Vertical and Horizontal Imbalances, Division of Functions and Resources between Central and State; Central and State Financial Relations, Finance Commission – Functions, Recommendation of 14th Finance Commission for skill development.

Unit-2: Indian Public Expenditure:

Classification, Sources of Public Expenditure of Central and State, Trends of Public Expenditure in India for skill development, employability and entrepreneurship development, Government Budgeting: Purpose, Classification and Preparation of Budget, Budget Deficit – Types, Structure and Trends, Zero base Budgeting, Programme Budgeting.

Unit-3: Indian Public Revenue:

Salient Features and drawbacks of Indian Taxation Structure , Main Sources of Revenue of Central and State, Incidence, Impact and Shifting of Tax, Tax Reforms, GST; Concept, Features and Progress for skill development, employability and entrepreneurship development.

Unit-4 Indian Public Debt:

Trends ,Composition and effects of Public Debt in India, Position of Foreign Debt, Limitations of Public Debt, Deficit Financing for skill development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Explain the fiscal federalism in India, federal finance and finance commission for skill development at national level.

CO2. Explain the Indian Government financial activities concerning Public Expenditure for skill development, employability and entrepreneurship development.
CO3.Explain the Indian Government financial activities concerning Public Revenue and taxation for skill development, employability and entrepreneurship development
CO4. Explain the Indian Government financial activities concerning Public Debt for skill development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	2	1	1	1	1	1	3	1
CO2	2	2	2	1	1	1	1	1	3	1
CO3	2	2	2	1	1	1	1	1	3	1
CO4	2	2	2	1	1	1	1	1	3	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	2	2
CO3	3	2	2
CO4	3	1	1

Suggested Readings:

1- Bhatia, H.L., Public Finance.
2- D.N. Dwivedi, Readings in Indian Public Finance (ed.).
3- Datt, R. & Sundaram, P.K., Indian Economy.
4- Datt, R. and Sundram, K.P.M, Indian Economy.

5- Gandhi, V.P., Aspects of India's tax structure.
6- Government of India, Economics Survey.
7- Govinda Rao M. and Sen Tapas K., Fiscal Federalism in India: Theory and Practice.
8- Govt. of India, Economic Survey (Latest).
9- Gupta, S.N., Public Finance and International Trade.
10- Lekhi, R.K., Public Finance.
11- Mishra, B., Economic of Public Finance.
12- Oujha, B.L., Public Finance and International Trade.

Website Sources:

- https://edurev.in/courses/10460_Public-Finance-Notes--Videos
- http://rccmindore.com/wp-content/uploads/2015/06/Public-Finance-II-year.pdf
- http://www.rjspm.com/PDF/Public-Finance-Notes-PDF.pdf
- http://ebooks.lpude.in/arts/ma_economics/year_1/DECO404_PUBLIC_FINANCE_ENGLISH.pdf

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – III

ECMM303: Economics of Growth and Development-II

Course Objectives:

The course is about fundamental models used to analyze theoretical and empirical issues in economic growth and development for improving skill development.

Course Content:

Unit-1: Theories of Development

Classical theory of development – Contribution of Adam Smith, Ricardo, Malthus and Mill, Karl Marx and development of Capitalistic economy for skill development; Crises in capitalism – The Schumpeter's Theory.

Unit-2: Approaches to Development –A

Partial Theories of growth and development for skill development – Lewis Model of Labour Surplus, Theory of Big Push , Theory of balanced growth; Theory of unbalanced growth, Leibenstein's Theory of Critical Minimum Efforts.

Unit-3: Approaches to Development - B

Low Income Equilibrium Trap: Dualism – Technical, behavioural and social: Ranis and Fei Model, Dependency Theory of Development and Structuralistic views for skill development.

Unit-4: Growth Models

Growth models - Harrod and Domar , Instability of equilibrium, New Classical growth Models; Solow, Meade and Mrs. Joan Robinsons; Criticism of New Classical analysis of growth for skill development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Develop the knowledge of the theories of development nationally for skill development.
CO2. Describe the knowledge of the partial theories of growth and development for skill development.
CO3. Develop the knowledge of the approaches to development.
CO4. Develop the knowledge of the growth models for skill development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	2	2	2	1	1	1	1	1
CO2	2	2	2	3	2	1	1	1	1	1
CO3	2	2	2	3	2	1	1	1	1	1
CO4	2	2	2	3	2	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Adelman, I., Theories of Economic Growth and Development.
2- Behrman, S. and Srinivasan, T.N., Handbook of Development Economics, Vol. 3.
3- Ghatak, S., An Introduction to Development Economics.
4- Lekhi, R.K., Economics of Growth and Development and Planning.
5- Myint, H., Economic Theory and Underdeveloped Countries.
6- Myint, Hal., The Economics of Underdeveloped Countries.

Website Sources:

- http://ebooks.lpude.in/arts/ma_economics/year_2/DECO501_ECONOMICS_OF_GROWTH_AND_DEVELPOMENT_ENGLISH.pdf
- https://www.researchgate.net/publication/309577823_Concepts_of_Economic_Growth_and_Development_Challenges_of_Crisis_and_of_Knowledge
- https://sg.inflibnet.ac.in/bitstream/10603/173845/8/08_chapter%201.pdf

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – III

ECMO304: Econometrics

Course Objectives:

The course aims at enabling students to provide a foundation in applied econometric analysis and develop skills required for empirical research in economics.

Course Content:

Unit-1 Two Variable Linear Regression model

Simple Linear Regression Model: Assumptions, estimation (through OLS method), desirable properties of estimators; Gauss- Markov Theorem, interpretation of regression coefficients, Testing of regression coefficients, Test for regression as a whole, Coefficient of determination for skill development.

Unit-2 Multiple Regression Models

General linear regression model – Assumptions, Estimation, and interpretation of regression coefficients for skill development; Testing of regression coefficient; Test for regression as a whole, Coefficient of determination. Non-linear models and their estimation

Unit-3 Problems in OLS Estimation

Problems of heterosedasticity; Auto correlation (first order); Multicollinearity – their consequences, tests and remedies for skill development

Unit-4 Lag Models and Summary Variables

Lags econometric models – Concepts, Koyck model; Partial adjustment and adaptive expectation models; summary variables; quantitative data; Seasonal analysis; Use of dummy variables for pooled data; Proxy variables – Concept and uses for skill development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Develop the knowledge of the two variable linear regression models for developing various skills.
CO2. Describe the knowledge of multiple regression models for developing various skills.
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CO3. Develop the knowledge of the problems in OLS estimation for developing skills.
CO4. Develop the knowledge of the lag models and summary variables for developing various skills.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	3	2	1	1	1	1	3	1	1
CO2	2	3	2	1	1	1	1	3	1	1
CO3	2	3	2	1	1	1	1	3	1	1
CO4	2	3	2	1	1	1	1	3	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Amemiya, T., Advanced Econometrics.
2- Dongherty, C., Introduction to Econometrics.
3- Goldberger, A.S., Introductory Econometrics.
4- Gujarati, D.N., Basic Econometrics (2nd Edition.
5- Hill R.C., E.G. William and C.G. Judge Undergraduate Econometrics.
6- Kennedy. P.A., Guide to Econometrics.
7- Kmenta, J., Elements of Econometrics (Reprint Edition).
8- Koutsoyiannis, A., Theory of Econometrics (2nd ed).

9- Maddala, G.S., Econometrics Methods and Application.
10- Ramanathan, Ramu, Introductory Econometrics with Applications.

Website Sources:

- http://people.stern.nyu.edu/wgreene/Econometrics/Notes.htm
- https://scholar.harvard.edu/files/mccormack/files/1_overview.pdf
- https://ocw.mit.edu/courses/economics/14-382-econometrics-spring-2017/lecture-notes/
- https://www.slideshare.net/mohammadali101/econometrics-notes-introdu
- https://www.economicsnetwork.ac.uk/teaching/Online%20Text%20and%20Notes/Econometrics

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – III

ECMO305: Labor Economics

Course Objectives:

The course aims at enabling students to understand the theoretical as well as empirical issues relating to the labour market with special reference to India for skill development and employability at national level.

Course Content:

Unit - 1: Labour Market

Labour – Characteristics, Role in Economic Development, Employment and unemployment, Mobility of Lobour; Productivity of Labour – Meaning, Measurement, Factors affecting productivity, Rationalization; Nature and Characteristics of Labour Markets in Countries like India; Methods of recruitment and placement for skill development and employability at national level.

Unit -2: Wages Determination:

Theories of Wages Determination for skill development and employability at national level, Methods of Wage Payment; Concept and Importance of minimum, Living and Fair Wages, Wage differentiates, Wage determination in Rural, Urban, Organized and Unorganized Sectors, Bonus System; Profit Sharing, National Wage Policy.

Unit – 3 Industrial Relations and Trade Unions:

Industrial disputes and industrial peace; methods of settlement and prevention of industrial disputes; industrial relations in India; workers participation in management Collective bargaining and wage theory; Trade union movement in India; problems and limitations for skill development and employability

Unit- 4 Social Security and labour policy

Social Security- Meaning and evolution; social assistance and social insurance; social security and labour welfare in India, Labour policy in India, manpower planning; Labour Market Reforms and Impact of Globalization on Labour Markets, Employment Service Organization in India for skill development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the characteristics and role of labour and labour market in economic development of the country for skill development and employability at national level.
CO2. Describe the various wages determination and methods of wage payment country for skill development and employability locally.
CO3. Explain the concept of industrial relations and trade unions country for skill development and employability.
CO4. Define the meaning of social security, social assistance, social insurance and labour policy country for skill development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	3	2	2	1	1	1	1	1	1
CO2	2	3	2	2	1	1	1	1	1	1
CO3	2	3	2	2	1	1	1	1	1	1
CO4	2	3	2	2	1	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	3	1
CO2	3	3	1
CO3	3	3	1
CO4	3	1	1

Suggested Readings:

1- Hajela, P.D., Labour Restructuring in India: A Critique of the New Economic Policies.

2- Lester, R.A., Economics of Labour.
3- McConnell, C.R. and Brue, S.L., Contemporary Labour Economics.
4- Mishra, L., Child Labour in India.
5- Papola, T.S., Ghosh, P.P. and Sharma, A.N., Labour, employment and industrial Relations in India.
6- Saxena, R.C., Labour Problem and Social Welfare.
7- Sharma, A.N., Informal Sector In India: Emerging Perspectives.

Website Sources:

- https://en.wikipedia.org/wiki/Labour_economics
- https://economics.mit.edu/files/4689
- http://web.uvic.ca/~hschuetz/econ370/hndout1.pdf

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – III

ECMO306: Economics of Infrastructure

Course Objectives:

The course aims at enabling and exposing the students wholly to issues involved in development of infrastructure in developing countries like India for skill development at national level.

Course Content:

Unit -I: Introduction

Infrastructure and economic development - Infrastructure as a public good; Economic characteristics and types - Social and physical infrastructure; Public utilities – Rationale of state provision, Public-private partnership investment The peak-load, Off-Load Problem, Marginal Cost Pricing vs. other methods of pricing in public utilities for skill development.

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Unit-2: Transport and communication

The structure of Transport Costs and Location of Economic Activities, Demand for Transport, Models of Freight and Passenger Demand, The supply of transport, Pricing policy; Cost Levels and Structure-Road Transport, Rate-making in Telephone Utilities. Principles of Decreasing Costs in Telephone Industry, Characteristics of Postal Services, Criteria for Fixation of Postal Rates, Measurement of Standards of Service in Telephone and Postal Utilities for skill development at national level.

Unit-3: Energy and Electricity, Gas and Water Supply

Primacy of Energy in the Process of Economic Development, Factors Determining Demand for Energy; Effects of Energy Shortage, Energy Conservation, Renewable and Non-conventional Sources of Energy, The Relative Economics of Thermal, Hydel and Nuclear Power Plants, The Case for a National Power Grid. Urban Rural Water Supply, The Exploitation of Natural Gas, Pricing Problem, Environmental implications for skill development

Unit -4: Education and Health:

Education and Economic Growth, Approaches to Educational Planning. Social Demand, Rate of Return and Manpower Balance Approaches. The Case for Universal, Free, Primary Education; Structure of higher education and problems of its financing in India; Human Resources and Human Capital Development. The issues in education policy; Health

dimensions of development; Determinants of Health — poverty, malnutrition, illiteracy and lack of information; Economic dimensions of health care — Demand and supply of health care; Financing of health care and resource constraints; Inequalities in health — class and gender perspectives; Institutional issues in health care delivery for skill development.

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Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the issues involved in development of infrastructure in economic development for increasing skills.
CO2. Explain the infrastructure of transport and communication for skill development at national level.
CO3.Explain the energy and electricity, gas and water supply in the process of economic development at national level.
CO4. Describe the primacy of energy in the process of economic development for increase skill development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	3	2	2	1	1	1	1	1	1
CO2	2	3	2	2	1	1	1	1	1	1
CO3	2	3	2	2	1	1	1	1	1	1
CO4	2	3	2	2	1	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1

CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Crew, M.A. and Kleindorfer, P.R. , Public Utility Economics.
2- Indian Council of Social Sciences Research Economics of Infrastructure, Vol. VI,
3- National Council of Applied Economic Research (NCAER) India Infrastructure Report: Policy Implications for Growth and Welfare.
4- Parikh, K.S, India Development Report.
5- Parikh, K.S., India Development Report.
6- Turvey, R., Public Enterprises.

Website Sources:

- https://nptel.ac.in/content/storage2/courses/109106089/module%201.pdf
- https://www.investopedia.com/terms/i/infrastructure.asp
- https://en.wikipedia.org/wiki/Infrastructure_and_economics
- https://www.toppr.com/bytes/economic-infrastructure/
- https://conference.nber.org/conferences/2018/EIs18/summary.html
- https://www.researchgate.net/publication/242544335_The_Economics_of_Infrastructure_in_a_Globalized_World_Issues_Lessons_and_Future_Challenges

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme
SEMESTER – III
ECMR307: Research Methodology

Course Objectives:

The objectives of this course are to sensitize students to research and to enable students to independently conceive and execute research projects for increasing their skills at national level.

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Course Content:

Unit- I

Concept of research: Meaning, definition, objectives and nature of research; Research: Importance of research; Areas of research; Problems in research; Planning to research for skill development.

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Unit- II

Methods/techniques of research; Hypothesis, variables; Research design and its types; Experimental research; Descriptive research; Exploratory Research; Conclusive research; Types of data; primary data and secondary data research for skill development; Sources and collection of secondary data; Advantages &limitations of secondary data ; Internal Sources; External Sources. Reliability, validity

Unit- III

Sampling ; Advantages and disadvantages of Sampling; The sampling process; Sampling methods research for skill development; Characteristics of Good Sampling Design; sampling and non-sampling errors; Sample size calculation; Practical considerations in determining sample size. Techniques of media research- Questionnaire; schedules; Observation - participatory and non-participatory; Interview method; Case study; Content analysis; Ethical issues in media research.

Unit- IV

Tabulation and classification of data; Data analysis, presentation of data; Research report writing Indexing, footnote& bibliography; Appendix, Minor and Major project research for skill development

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the concept of research & its problems of research, area in research and planning to research for skill development globally.

CO2. Distinguish between different types of research methods and techniques for increasing various skills.

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CO3. Describe the methods of data collection and sampling & its result for increasing various skills.

CO4. Apply the knowledge in analyze the needs of research and tabulation and classification of data for skill development at national level.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	1	1	1	1	1	2	1	1
CO2	2	2	1	1	1	1	1	2	1	1
CO3	2	2	1	1	1	1	1	2	1	1
CO4	2	2	1	1	1	1	1	2	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1. Bertrand, I., & Hughes, P. (2005). Media research methods: Audiences, institutions, texts. New York: Palgrave Macmillan.
2. Guthrie, G. (2012). Basic research methods: An entry to social science research. Los Angeles: SAGE Publications.
3. Kothari, C. R. (2004). Research methodology: Methods and techniques. New Delhi: New Age International (P).
4. Media shodh- Dr. ManojDayal, HariyanaSahitya Academy, Panchkula, Pratham Sanskaran, 2003.
5. Scientific Method and Social Research by B. N. Ghosh, Sterling Publishers N. Delhi 92.
6. Social Research and Statistics by R.N. Mukerjee, Vivek Prakashan, Delhi.

7. Wimmer, R. D., & Dominick, J. R. (2014). Mass media research an introduction. Andover u.a.: Wadsworth, Cengage Learning.

Website Sources:

- en.wikipedia.org
- www.oneindia.com
- egyanagar.osou.ac.in
- epgp.infibnet.ac.in
- www.ukessays.com

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme
SEMESTER – III
ECME301: Disaster Management

Course Objectives:

The main objectives of this course are to provide students an understanding to the concepts and aspects of disaster and its relationship with development, to ensure awareness of Disaster Risk Reduction (DRR) approaches among students and to assist students develop ability to respond to their environment with potential response to disaster research for skill development.

Course Content:

Unit I

- Definition: Disaster, Hazard, Vulnerability, Resilience, Risks
- Types of disasters – Earthquake, Landslide, Flood, Drought, Fire, campus shooting, bomb threat, terrorist incidence and financial emergency etc.
- Causes and Impacts including social, economic, political, environmental, health, psychosocial, etc. Differential impacts- in terms of caste, class, gender, age, location, disability.
- Global trends in disasters: urban disasters, pandemics, complex emergencies, Climate change- Dos and Don'ts during various types of Disasters for skill development.

Unit II

- Disaster life cycle – its analysis, phases, culture of safety, prevention, mitigation and preparedness for skill development.
- Community based DRR (Disaster Risk Reduction), Structural-nonstructural measures,
- Roles and responsibilities of community: Panchayati Raj Institutions/Urban Local Bodies (PRIs/ULBs), States, Centre, and other stakeholders

Unit III

- Factors affecting Vulnerabilities, impact of Development projects such as dams, embankments, changes in Land-use etc.
- Climate Change Adaptation- IPCC Scenario and Scenarios in the context of India – Relevance of indigenous knowledge, appropriate technology and local resources.
- Role of international cooperations in Disaster Management for skill development

Unit IV

- Hazard and Vulnerability profile of India. Components of Disaster Relief: Water, Food, Sanitation, Shelter, Health, Waste Management
- Institutional arrangements (Mitigation, Response and Preparedness, Disaster Management Act and Policy – Other related policies, plans, programmes and legislation for skill development.

- Role of GIS and Information Technology Components in Preparedness, Risk Assessment, Response and Recovery Phases of Disaster – Disaster Damage Assessment.

Guidelines for setting Question Paper

Section –A

Five long Answer-type questions out of ten from all units. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Define the concept of Disaster Management and explain various types of disasters, its causes and Impacts including social, economic, political, environmental, health, psychosocial, etc. for increasing the skills globally.

CO2. Describe the disaster life cycle, community based DRR and roles and responsibilities of community and climate change adaptation for skill development at national level.

CO3. Describe the factors affecting vulnerabilities, impact of development projects climate changing scenario for skill development.

CO4. Describe the Hazard and Vulnerability profile of India, Institutional arrangements and Institutional arrangements for improving student's skill development at national level.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	1	1	1	1	3	1	1	1	1	1
CO2	1	1	1	1	3	1	1	1	1	1
CO3	1	1	1	1	3	1	1	1	1	1
CO4	1	1	1	1	3	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1

CO4	3	1	1

Suggested Readings:

- Satish Modh, Introduction to Disaster Management, Macmillan Publisher India Ltd
- Alexander David, Introduction in 'Confronting Catastrophe', Oxford University Press
- Blaikie, P, Cannon T, Davis I, Wisner B 1997. At Risk Natural Hazards, Peoples' Vulnerability and Disasters, Routledge.
- Damon P. Coppola, Introduction to International Disaster Management, Butterworth-Heinemann,
- Singhal J.P. "Disaster Management", Laxmi Publications. ISBN-10: 9380386427 ISBN-13: 978-9380386423
- Tushar Bhattacharya, "Disaster Science and Management", McGraw Hill India Education Pvt. Ltd., . ISBN-10: 1259007367, ISBN-13: 978-1259007361]

Website Sources:

1. http://nidm.gov.in/
2. http://nidmssp.in

http://www.drishtiias.com/upsc-exam-gs-resources-COMMUNITY-BASED-DISASTER-MANAGEMENT

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – III

ECME302: Computer Application in Economics

Course Objectives:

The objectives of this course are to acquaint the students with computer and its operations, make them aware of DTP and basic Internet Applications and to apprise them with basic IT applications in media for increasing their skills.

Course Content:

Unit-I

Introduction to computers: History and generations of computers; Types of computers, An Overview of the computer system: CPU, memory, input and output devices, Storage – primary and secondary storage, floppy, CD ROM; Software: Operating systems: MS DOS and MS Windows; Application Programs for increasing their skills.

Unit-II

MS Office: MS Word: Word Processing, entering and editing text, formatting text, special features of Word, tables, mail merge, adding graphics and sounds, templates, printing document, converting documents into Web pages; MS Excel: Introduction, importance & scope for increasing their skills; Spreadsheet.

Unit-III

MS Power Point: Creating a presentation, formatting slides, special features of word, tables, mail merge.

Unit-IV

Introduction to network: Internet, working of the internet, addressing skills, domains and sub domains; Main features of the internet: WWW, e-mail, telnet, FTP, IRC; Online services; Advertising on the internet, Law relating to Cyber Media for increasing their skills.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe globally the introduction to computers: history and generations of computers and types of computers for increasing their skills.

CO2. Explain the computer applications as MS Office, MS Word for developing their skills locally.

CO3. Develop the knowledge of MS Power Point for improving student's skills.

CO4. Apply the knowledge in analyze the needs of computer & internet in market for skill development globally.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	1	1	1	1	1	2	1	1
CO2	2	2	1	1	1	1	1	2	1	1
CO3	2	2	1	1	1	1	1	2	1	1
CO4	2	2	1	1	1	1	1	2	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Basandra, K, Suresh, Computers Today, Galgotia Publications Pvt.Ltd., New Delhi, 1999.
2- Minasi, Expert guide to Windows 98, BPB publications, 1999.
3- Russel, Stultz, A, Office 2000, BPB publications, 2000.

Website Sources:

- en.wikipedia.org
- www.oneindia.com
- massmediaassignments.wordpress.com
- www.nraismc.com
- www.rccmindore.com

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – III

ECME303: Media Economics

Course Objectives:

The objectives of this course are to introduce students to principles of Media business, economics and familiarize students to Indian media organizations and their management practices for increasing their skills and level of employability.

Course Content:

Unit-1

Economic development: Concept and general perspective; Common characteristics of underdevelopment; India as a developing economy and its international standing; Strategies of development; Balanced v/s Unbalanced growth strategy for increasing their skills; Wage goods strategy; Basic need strategy; Mahalanobis' heavy import substitution strategy; Export – led growth strategy.

Unit-2

Capital accumulation as a factor in economic growth; Role of education in economic development; Population economic development (the two – way relationship) for increasing their skills.

Unit -3

Marketing Function – Product, Price, Placement & Promotions; Important bodies of Media Industries: DAVP, INS, DPR, ABC, IBF, AAAI, ASCI, TRAI; Importance of Readership Research Economics of Media Business for increasing their skills and level of employability.

Unit -4

Tools for a Business Journalist; Media Ownership Patterns in India – Proprietorship, Partnership, Private Ltd. v/s Public Companies, Trusts, Co – Operatives, Religious Institutions (Societies) & Franchisee Chains; Recruitment, Hiring & Training of Staff; Organization Theory, Functions & Organizational Structure of Different Department for increasing their skills.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the knowledge of economic development, concept and general perspective for their skill development at national level.
CO2. Describe the knowledge of capital accumulation for increasing their skills as a factor in economic growth.
CO3. Describe the knowledge of Marketing Function and Importance of readership research economics of media business for increasing their skills and employability at national level.
CO4. Distinguish between different types of ownership in media organization and describe the structure and functions of the different departments of a media organization for increasing their skills globally.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	1	2	1	1	1	2	1	1
CO2	2	2	1	2	1	1	1	1	1	1
CO3	2	2	1	2	1	1	1	2	1	1
CO4	2	2	1	2	1	1	1	2	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	2	1
CO2	3	2	1
CO3	3	3	1
CO4	3	2	1

.Suggested Readings:

1. Henrick, Dennis F, Media Management in the Age of Giants.
2. Kothari, Gulab Newspaper Management in India.
3. Kotler, , Marketing management. Upper Saddle River, NJ: Prentice Hall, 2003.
4. Mass media in India 1994-95, Publications Division, Ministry of Information and Broadcasting, Government of India New Delhi, 1994.

5. Newspaper Organization and Management: Herbert Lee Williams.
6. Panigrahy, Dibakar Media Management in India.

Website Sources:

- www.wikipedia.org
- www.oneindia.com
- www.simplicable.com

Note: Latest editions of all the suggested readings must be used.

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECMM401: International Economics II

Course Objectives:

The course aims at enabling students to understand the issues in International trade and Global Institutions with the help of Sound Economic Theories and Applications which tend to govern the free flow of trade in goods, services and capital — both short-term and long-term for their skill and entrepreneurship development — at the global level.

Course Content:

Unit-1: Tariffs:

Types, Effects under partial equilibrium and general equilibrium for skill development, Optimum tariff and Stopler Samuelson Theorem

Unit-2: Non-Tariff Barrier (NTB) and Quotas:

Concept, Types and effects, tariffs versus quotas. Dumping: Types, objectives, Price determination in dumping for skill development, Effects and anti-dumping measures

Unit-3: Economic Integration:

Types and reasons for economic integration, Theory of custom union, Static and Dynamic effects of a Customs Union and free trade areas for skill development, European Union, SAARC/SAPTA and ASEAN.

Unit-4: India's Trade Policy

Recent changes in the direction and composition of trade and their implications; recent import and export policies and agenda for future; Debt crisis: Causes and Measures to solve. Working and regulations of MNCs in India for skill development

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Describe the concept of tariffs, its types and effects for their skill and entrepreneurship development.

CO2. Describe the concept of non-tariff barrier (NTB) and Quotas for skill development at national and global level**.**
CO3.Explain the types and reasons for economic integration for their skill development and develop the knowledge of the theory of custom union and European Union
CO4. Develop the knowledge of the India's trade policy and working and regulations of MNCs in India for their skill development at national level.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	2	1	1	3	1	1	1	1
CO2	2	2	2	1	1	3	1	1	1	1
CO3	2	2	1	1	1	3	1	1	1	1
CO4	2	2	2	1	1	3	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	2
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Ahuja, H.L., Antarrashtriya Vayapar.
2- Chacholiades, M., International Trade: Theory and Policy.
3- Kenen, P.B., The International Economy.
4- Kindlberger, C.P., International Economics.
5- Krugman, P.R. and Obstgeld, M., International Economics: Theory and Policy.
6- Salvatore, D., International Economics.
7- Soderston, B.O., International Economics.

Website Sources:

- https://www.economicsdiscussion.net/international-economics/international-economics-its-concept-parts/4205
- https://en.wikipedia.org/wiki/International_economics
- http://internationalecon.com/Trade/Tch5/T5-2.php
- https://www.sciencedirect.com/topics/economics-econometrics-and-finance/international-economics

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECMM402: Environmental Economics

Course Objectives:

The course aims at enabling students to understand and familiarize with the theory and application of economics to environmental problems and prepare them for analyzing issues in environmental economics and policy. It will focus on the design of cost effective environmental policies and on methods for determining the value of environmental amenities. The purpose of the course is to provide an introduction to the application of economic principles to environmental problems for their skill development at local, national and global level.

Course Content:

Unit- 1: Basics of Environment:

Meaning, Importance and Scope of Environmental Economics; the Evolution and Growth of Environmental Economics for skill development; The Concept of Externalities; Environment as a Public Good, Market Failure; Environmental Kuznets's Curve: Theory and Some Empirical Evidence.

Unit -2: Environmental Valuation:

Meaning and Types of Environmental Valuation, Market Valuation, Contingent Valuation Method (CVM), Hedonic Pricing Technique; Measures of non-Use Values – Option Value and Existence Value and Environmental Accounting for skill development.

Unit -3:

Economics of Natural Resources:

A Resource Taxonomy; Managing Exhaustible and renewable resources for skill development; The Theory of Collective Choices: Hardin's Thesis of the Tragedy of Commons; Prisoner's Dilemma Game, Olsen's theory of collective action.

Unit 4: Methods of Abatement of Externalities:

The Pigouvian Tax – Subsidy Approach; The Coasian Property Rights Approach. Sustainable Development: Concept, Indicators, Measurement and Strategies for Sustainable Development for skill development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Define the meaning of Environmental Economics globally and explain its importance and Scope for skill development.
CO2. Develop the knowledge of the Meaning and types of environmental valuation and market valuation for skill development.
CO3. Develop the knowledge of the economics of natural resources for skill development at national level.
CO4. Describe the methods of abatement of externalities and sustainable development for skill development.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	1	1	3	1	1	1	1	1
CO2	2	2	1	1	3	1	1	1	1	1
CO3	1	2	1	1	3	1	1	1	1	1
CO4	2	2	1	1	3	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Bhattacharya, R.N. (Ed.) (2001), Environmental Economics: An Indian Perspective.

2- Bromely, D. W. (ed.)., Handbook of Environmental Economics.
3- Cropper, M. L. and Oates, W. E., Environment Economics: A survey.
4- Dasgupta, P and Heal, G. M., Economic Theory and Exhaustible Resources.
5- Dixon, J., Economic Analysis of Environmental Impacts.
6- Field, B. C., Environmental Economics: An Introduction.
7- Fisher, A. C., Environment and Resource Economics in Oates.
8- Hanley, N, J. F. Shogren and White, B**.,** Environmental Economics in Theory and Practice.

Website Sources:

- https://www.rajras.in/environment-india-basics/
- https://en.wikipedia.org/wiki/Environment_of_India
- https://en.wikipedia.org/wiki/Environmental_issues_in_India
- https://www.tcd.ie/Economics/staff/amtthews/FoodPolicy/LectureTopics/Environment/Lecture20.htm

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECMD451: Dissertation and Viva Voce

Course Objectives:

The objective of the dissertation is to enable the student to have an in-depth knowledge of the subject of his/her choice. It should be a research-based effort and should endeavor to create new knowledge in any area of Economics for skill development at local, national and global level.

Course Content:

In fourth semester, candidates will have to submit a dissertation on a topic (from economics) to be assigned by the Department under the supervision of a core faculty member of the Department. The dissertation will carry 100 marks. The joint evaluation of the project report will be done by an Internal (30 Marks) and External (70 Marks) examiner and the allocation of marks will be based on evaluation of dissertation and Viva- Voce on the same.

The report will contain the following:

- The Abstract
- Introduction
- Review of Literature
- Finding and Analysis
- Conclusions and Suggestions
- References/Bibliography.

The dissertation containing the certificate of the Supervisor certifying the authenticity and originality of the report shall be attached therewith. The student will submit a typed/handwritten copy of the report containing 40-50 pages on A4 size paper in spiral bound/bided form and a soft copy of the same to the Supervisor. The student will prepare two copies out of which one copy will be submitted to the Department.

Course Outcomes:

After completing this course students will be able to:

CO1. Describe a relevant area of career development, career coaching, coaching or work-related learning studies for skill development.

CO2. Identify research methods for skill development.

CO3. Develop responses on the basis of the evaluation and analysis undertake for skill development.

CO4. Apply knowledge and understanding in relation to the agreed area of study for skill development.

CO5. Demonstrate advanced critical research skills in relation to career development or work-related learning studies for skill development.

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECMO403: Economics of Health and Education

Course Objectives:

This paper is an introduction to the field of economics of health and education. Economics of health and education is an application of microeconomics with rest and ever growing literature. The understanding of these concepts is needed for an analysis of health and education system and policies for skill development and employability at local, national and global level.

Course Content:

UNIT 1:

Economics of Health: Concept, dimensions and indicators; Determinants of health status; Disease burden and its measurement; Economic appraisal in health care – Cost benefit and cost effectiveness approaches; Environment and health for skill development; Human capital and health, The demographics of health: aging, obesity, and disability.

UNIT 2:

India's Health care system: Health care Reform, Public and Private expenditure on health, Health planning and management for skill development; National policy on Health; Health programmes and infrastructure, Financing of health programmes in India, Primary health care and health for all; Community health care. Expenditure on health during post-reform period, health, poverty and economic growth in India, International health organizations-WHO and other United Nations agencies

UNIT 3:

Health Care markets: Uncertainty and the welfare economics of Medical Care, Health Insurance, Hospitals and the theory of non-profits, Employer provision of health care for skill development, uninsurance : Causes and Consequences; Technological change and Health Care, Information asymmetries in health insurance markets, Externalities in health care markets.

UNIT 4:

Concept of Economics of education: Educational production function; Education, productivity and income; Educational indicators; Education and economic development for skill development and employability; Human development-concept and measurement; Educational costs and benefits-Educational cost functions, cost-benefit model; Educational planning and manpower; NGOs and Human Resource Development.

India's educational system: Problems and suggestions; Human capital in India; National policy on education; Financing of education in India; Expenditure on education during post-reform period.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Develop the knowledge of the Economics of Health for skill development.
CO2. Describe the knowledge of India's health care system and reforms for skill development at national level.
CO3. Develop the knowledge of the health care markets for skill development.
CO4. Develop the knowledge of the Economics of education and human resource development for skill development and employability.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	2	1	1	1	1	1	1	1
CO2	2	2	1	1	1	1	1	1	1	1
CO3	2	2	2	1	1	1	1	1	1	1
CO4	2	2	1	1	1	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	2	1

Suggested Readings:

1. Mark Blaug Economics of Education: Selected Readings, vol. I & II
2. Schultz, T.W. Investment in Human Capital
3. Ritzen, J.M.M. Education, Economic Growth and Income Distribution.
4. Folland, Goodman, and Stano The Economics of Health and Health Care.
5. Thomas E. Getzen Health Economics.
6. Mahbubul Haq Quality of Life.
7. Martha Nussbaum & Amartya Sen Quality of Life.
8. Park and Park Textbook of Preventive and Social Medicine.
9. Human Development Report – 2007.
10. Phelps Health Economics, 3rd edition.
11. National Human Development Report –2001.
12. Report on National Commission on Macroeconomics and Health –2005.

Website Sources:

- https://byjus.com/commerce/economic-reforms/
- https://en.wikipedia.org/wiki/Five-Year_Plans_of_India
- https://en.wikipedia.org/wiki/Poverty_in_India
- https://journals.openedition.org/echogeo/14300?lang=en

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECMO404: Economics of Insurance

Course Objectives:

The course aims at enabling students to understand a fairly comprehensive view of fundamentals of insurance for skill development at national level.

Course Content:

Unit -1: Introduction:

Economic Security; Human quest for economic security through time; Exposure to losses; Role and definition of insurance; Risk pooling and risk transfer; Economic and legal perspectives, Social vs. private insurance; Life vs. non-life insurance; Classification of life, health and general insurance policies for skill development.

Unit-2: Risk and Risk Management:

Pure risk & speculative risk; Expected utility and decision-making under uncertainty; Expected utility & demand for the insurance; Moral hazard and insurance demand, Risk Management – Concept, Essentials, Elements, Risk Assessment, Risk Control and Risk Financing for skill development.

Unit-3: Essentials of Life, Health and General Insurance:

Functions of life & health insurance for skill development; Mathematical basis of life insurance; Plans of life insurance; Legal aspects of life insurance; Provisions of policies; Individual health insurance; Uses and types of evaluation; Principles of underwriting of life & health insurance; Group insurance and superannuation (pension) schemes; General Insurance – Importance, types, role in country's economic development.

Unit-4: Planning for Wealth Accumulation and Retirement Needs:

Planning for Wealth Accumulation and Retirement Needs : Wealth accumulation planning; Life cycle planning for skill development; Planning for accumulation, objectives; Purchase of insurance and accumulation planning; Investments — Tax-advantaged and tax non-advantaged; Essentials of individual retirement planning; Analysis of retirement; Income needs; Retirement planning strategies; Investing for retirement, Pension plans; Basic principles of pension plans; Pension plans in India.

Regulation of Insurance: Regulation of insurance; Purpose of government intervention in markets; Theories of regulation; Insurance regulation in India; Insurance Regulation and Development Authority (IRDA) for skill development.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Develop the knowledge of the Economic Security for skill development.
CO2. Describe the knowledge of risk and risk management for skill development
CO3. Develop the knowledge of the essentials of life, health and general insurance for skill development
CO4. Develop the knowledge of the planning for wealth accumulation and retirement needs for skill development

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	1	2	1	1	1	1	1	1
CO2	2	2	1	2	1	1	1	1	1	1
CO3	2	2	1	2	1	1	1	1	1	1
CO4	2	2	1	2	1	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1

CO4	3	1	1

Suggested Reading:

1- Black, K. Jr. and H.D., Skipper, Jr, Life & Health Insurance.
2- Dionne, G. and Harrington, S.E., Foundations of Insurance Economics.
3- Pteffer, I. And Klock (1974), Perspectives on Insurance.
4- Skipper Jr., H.D., International Risk & Insurance: An Environmental Managerial Approach.
5- Williams Jr., C.A., Smith M.L. and Young, P.C., Risk Management and Insurance.

Website Sources:

- http://www.math.hkbu.edu.hk/~hpeng/stat3820/Chapter_3.pdf
- https://www.casact.org/library/astin/vol4no3/252.pdf
- https://mycourses.aalto.fi/pluginfile.php/207336/mod_resource/content/1/economics%20of%20insurance.pdf
- https://www.researchgate.net/publication/270500085_A_Primer_on_The_Economics_of_Insurance

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECMO405: Agricultural Economics

Course Objectives:

The course aims at enabling students to provide a detailed treatment of issues in agricultural economics and to make them familiarize with policy issues that are relevant to Indian agricultural economics and enable them to analyze the issues, using basic micro-economic concepts for skill development and employability at local and national level .

Course Content:

Unit 1: Introduction of Agricultural Economics and Agricultural Inputs:

Meaning, Nature, Scope and Role of Agriculture in Economic Development Seeds, Fertilizers, Irrigation, Agricultural credit-sources in India and their comparative importance for skill development and employability

Unit 2: Agricultural Production and Supply Function:

Laws of returns in relation to agriculture; Technological changes and green revolution for skill development and employability; Mechanization of agriculture and green revolution in India, Blue revolution & white revolution in India. Response of production to prices and non-price incentives, Cobweb models; Nature of supply curves

Unit 3: Agricultural Prices:

Relation between cost and price, Profit maximization in agricultural, Agricultural price Policy in India and the role of Commission for Agricultural Cost & Prices for skill development, Dual Prices; Agricultural taxation and subsidies in India

Unit 4: Farm size, productivity and Agriculture and External Sector:-

Returns to scale and size of farm, small v/s large farms, relationship between farm size and productivity, Pattern of holdings in India and Farm-size policy, Agricultural marketing. Changes in agriculture at international level, New Agricultural Policy for skill development and employability, Capital Formation and Infrastructural changes in Indian agriculture, International trade in agricultural commodities, the World Trade Organization and its effects on Indian agriculture, Issues in liberalization of domestic and international trade in agriculture, Role of MNCs.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Develop the knowledge of the introduction of agricultural economics and agricultural inputs for skill development and employability.
CO2. Describe the knowledge of agricultural production and supply function for skill development.
CO3. Develop the knowledge of the agricultural prices and agricultural taxation for skill development.
CO4. Develop the knowledge of the farm size, productivity and agriculture and external sector for skill development and employability globally.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	1	1	1	1	2	1	1	2
CO2	2	2	1	1	1	1	2	1	1	2
CO3	2	2	1	1	1	1	2	1	1	2
CO4	2	2	1	1	1	1	2	1	1	2

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	2	1
CO2	3	1	1
CO3	3	1	1
CO4	3	2	1

Suggested Readings:

1- Cohon, R. L., Economics of Agriculture.
2- Heady, E. O., Economics of Agriculture.
3- Joshi, P. C., Land Reforms in India-Trends and Perspectives.
4- Mamoria, C. B., Agricultural Problems in India.
5- Mellor, J. W., The Economics of Agricultural Development.

6- Soni, R. N., Agricultural Economics.

Website Sources:

- https://www.researchgate.net/publication/216436248_A_Text_Book_Of_Agricultural_Economics
- http://www.uky.edu/~deberti/agprod5.pdf
- http://archive.mu.ac.in/myweb_test/M.A.%20PART%20-%20I%20Agriculture%20Economics%20-%20Eng.pdf

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECME401: International Finance

Course Objectives:

The course aims at enabling students to provide an in-depth understanding of the international financial issues, process and techniques used to make international investment decisions for skill development, employability and entrepreneurship development at national and global level.

Course Content:

Unit-1: International Financial Environment

Scope and significance of international finance, components of international financial environment, accounting international transactions in the balance of payments, international monetary system, recent developments in global financial markets for skill development, employability and entrepreneurship development.

Unit-2: Foreign Exchange Market

Changing Role of Monetary System, Organization of the Foreign Exchange Market for skill development, employability and entrepreneurship development- The Spot And The Forward Market, Currency Futures and Currency Options Market, Parity Conditions in International Finance - Purchasing Power Parity, efficiency in foreign exchange market; exchange rate system in India.

Unit-3: Debt Management

Roles and Functions of External Debt in Developing Countries Budget Deficits and Public External Debt, The Euro-dollar Market, World Bank, IMF and ADB, FDI and Portfolio Investment for skill development, International Capital Budgeting

Unit-4: Financial Crisis

Episodes of Financial Crisis for skill development, Interrelationship between Currency, Banking and Financial Crisis Debt crisis: Causes and Measures to solve it. India's external Debt

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Develop the knowledge of the international financial environment for skill development, employability and entrepreneurship development at global level.
CO2. Describe the knowledge of foreign exchange market and exchange rate system in India for skill development, employability and entrepreneurship development.
CO3. Develop globally the knowledge of the debt management and international capital budgeting for skill development.
CO4. Develop the knowledge of the Financial Crisis for skill development and its causes with measures to solve it.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	2	1	1	3	1	1	1	1
CO2	2	2	2	1	1	3	1	1	1	1
CO3	2	2	2	1	1	3	1	1	1	1
CO4	2	2	2	1	1	3	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	2	2
CO2	3	2	2
CO3	3	1	1
CO4	3	1	1

Suggested Readings:

1- Ahmad Khan, Masood, Euro-Currency Market: Structure and Working.
2- Avadhani, V.A., International Finance: Theory and Practice.
3- Brain, Tew, The Evolution of International Monetary System.

4- Cooper, R.N. (ed), International Finance.
5- Dunning, J, Multinational Enterprises. IMF: Recent Multilateral Debt Restructuring with official and Bank Credits.
6- Feiger George and Bertard, J., International Finance- Text and cases, Allyn and Bacon, Boston, 1982.
7- Maurice, D. Levi., International Finance: The Markets and Financial Management of Multinational Business.
8- Maurice, D. Levi., International finance: The Markets and Financial Management of Multinational business.
9- Shapiro, Allan, C., Multinational financial Management.
10- Stern, R.M. (Ed.), International Trade and Finance.
11- Vernon, Raymond, Managing international Economy.
12- Walter, Ingo (ed), Handbook of International Business.

Website Sources:

- https://iare.ac.in/sites/default/files/LECTURE%20NOTES-IFM.pdf
- https://icmai.in/upload/Students/Syllabus-2008/StudyMaterialFinal/P-12.pdf
- https://www.tutorialspoint.com/international_finance/international_finance_introduction.htm
- http://www.himpub.com/documents/Chapter1636.pdf

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECME402: Communication Skills and Content Writing

Course Objectives:

The outcome of the course is to provide students a clear understanding of communication, communication skills, written communication, types of media writing and contribution of renowned Journalist for skill development and employability at local, national and global level.

Course Content:

Unit- I

Communication skills for skill development: Listening skill, cognitive process of listening, barrier to effective listening, speaking skills, public speaking, voice modulation and body language.

Unit- II

Written communication for skill development and employability: types; structures and layout of business letters; preventative letters- sales letter, claim letters, employment letters, writing memo, notice and circular, effective email writing skills; Presentation & publication of brochures; Issuing notice, agenda of meeting and minutes of meetings.

Unit – III

Writing Economic articles and features; writing contents for websites, blogs dedicated to Economy for skill development and employability.

Unit – IV

Audio Visual Presentation: Presentation Skills, Importance of audio and visual inputs for the presentations for skill development and employability.

Guidelines for setting Question Paper

Section-A

Five long Answer-type questions out of ten from all units. 14x5=70

Course Outcomes:

After completing this course students will be able to:

CO1. Develop the knowledge of the Communication skills for skill development.

CO2. Describe the knowledge of written communication for skill development and employability.

CO3. Develop the knowledge of the Writing Economic articles and media content for skill development and employability.

CO4. Develop the knowledge of the presentation skills for skill development and employability.

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PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	2	1	1	1	1	1	1	1	1
CO2	2	2	1	1	1	1	1	1	1	1
CO3	2	2	1	1	1	1	1	1	1	1
CO4	2	2	1	1	1	1	1	1	1	1

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	Employability	Entrepreneurship Development
CO1	3	1	1
CO2	3	2	1
CO3	3	2	1
CO4	3	2	1

Suggested Readings:

1. Business English for Success (2011) by Scott McLean- The Saylor Foundation
2. Business Communication: Achieving Results (2013) by Lori Harvill Moore- Bookboon
3. Essentials of Business Communication (2013) by Mary Ellen Guffey, Dana Loewy
4. Emotional Intelligence: Why It Can Matter More Than IQ (2006) by Daniel Goleman
5. Patrkarita Ke Sidhant- Dr. Ramesh Chandra Tripathi. Ashok Prakashan, Lucknow

SECOND YEAR
Master of Arts (Economics)
Programme

SEMESTER – IV

ECME403: Economics of Social Sector

Course Objectives:

The course aims at enabling students to understand the various concepts and issues affecting the Indian social sector for skill development at national level.

Course Content:

Unit-1: Natural Resources

Types, classification and scarcity of natural resources; Elementary capital theory; Maximum principle of optimal control theory for skill development; Management of common property resources, Subsidies, controls and use of natural capital in India.

Unit-2: Economics of Education

Economics of education; Nature, definition and scope; Educational production function; Education, productivity and income; Educational indicators; Education and economic development; Educational costs and benefits-Educational cost functions for skill development, cost-benefit model; Theories of public expenditure on education, models and methodologies, Returns to education; Educational planning and manpower

Unit- 3: Economics of Health-Concept

Economics of Health-Concept for skill development, dimensions and indicators; Determinants of health status; Economic appraisal in health care-Cost-benefit and cost effectiveness approaches; Health planning and management; Primary health care and health for all; Community health care; Environment and health; International health organizations-WHO and other United Nations agencies

Unit-4: India's Educational System

India's educational system- Problems and suggestions for skill development and employability; Human capital in India; National policy on education and health; Health programmes and infrastructure; Financing of education and health programmes in India; Expenditure on health and education during post-reform period; Health care system in India; Health, poverty and economic growth in India; NGOs and Human Resource Development.

Course Outcomes:

After completing this course students will be able to:

CO1. Develop the knowledge of the natural resources for skill development at national level.
CO2. Describe the knowledge of Economics of education for skill development.
CO3. Develop the knowledge of the Economics of health-concept, dimensions and indicators for skill development.
CO4. Develop the knowledge of the India's Educational System for skill development and employability nationally.

PO-CO Mapping (Please write 3, 2, 1 wherever required)

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**
CO1	2	2	2	2	1	1	1	1	1	1
CO2	2	2	1	2	1	1	1	1	1	1
CO3	2	2	2	2	1	1	1	1	1	3
CO4	2	2	1	2	1	1	1	1	1	3

CO-Curriculum Enrichment Mapping

(Note: 3 for highly mapped, 2 for medium mapped and 1 for low mapped)

	Skill Development	**Employability**	**Entrepreneurship Development**
CO1	3	1	1
CO2	3	1	1
CO3	3	1	1
CO4	3	2	1

Suggested Reading:

1- Barro, Robert, Economic Growth in a Cross Section of Countries.
2- Hanley, N., Shogern, J.F. and White, B., Environmental Economics in Theory and Practice.
3- Chary, S.N. and Vyasulu, Vinod, Environmental Management - an Indian Perspective.
4- Mark, Blaug, Economics of Education: Selected, Readings, vol.
5- Panchmukhi, P.R., Economics of Health: A Trend Report in ICSSR, A Survey of Research in Economics, Vol. VI..

6- Psacharopoulos, G., Returns to Education: An International Comparison.
7- Schultz, T.W., Investment in Human Capital.
8- World Bank, The World Development Report, 1993: Investing in Health.

Website Sources:

- https://www.investopedia.com/terms/s/social-economics.asp
- https://www.jstor.org/stable/4402995?seq=1
- https://www.yourarticlelibrary.com/economics/the-role-of-education-in-economic-development/38355