Curriculum and Credit Framework for Undergraduate Programme (Single Major) as per NEP-2020

B. A. (Economics and Finance)
(Four Year Degree Programme)

5th & 6th Semesters

For Batch W.e.f. Session: 2021-22

University School for Graduate Studies

Chaudhary Devi Lal University

Sirsa-125055, Haryana

2023

Exit options and Credit requirements

SINGLE-MAJOR

Exit with	Credit requirement
Certificate in Economics & Finance: After successful completion of First year (Two semesters) of the Four-Year Undergraduate Degree Programme.	**48** (Including Internship of 4 Credits)
Diploma in Economics & Finance: After successful completion of Two years (Four semesters) of the Four-Year Undergraduate Degree Programme.	**94** (Including Internship of 4 Credits)
Bachelor of Economics & Finance: After successful completion of Three years (Six semesters) of the Four-Year Undergraduate Degree Programme.	**136**
Bachelor of Economics & Finance (Honours/Honours with Research) After successful completion of Four Years (Eight semesters) of the Undergraduate Degree Programme.	**184**

Course Category	Course Code	Course Title	Level	Credits			Marks		
				L	P	Total	Int	Ext	Total
SEMESTER-V									
1. DSC	BA/ECO/SM/5/DSC/301	Agricultural Economics	300	4	-	4	30	70	**100**
	BA/ECO/SM/5/DSC/302	Statistics for Economist	300	4	-	4	30	70	**100**
	BA/ECO/SM/5/DSC/303	The Theory of Capitalist Development	300	4	-	4	30	70	**100**
2. MIC	BA/ECO/SM/5/MIC/301	Financial Services	300	4	-	**4**	30	70	**100**
3. SEC	BA/ECO/SM/5/SEC/301	Computer Applications in Economics (Practical)	300	-	3	**3**	0	75	**75**
4. VAC	CDLU/VAC/103	Leadership and Management Skill	300	2	-	**2**	15	35	**50**
5. Internship	BA/ECO/SM/5/INT	Internship	300	-	4	**4**	0	100	**100**
	TOTAL					**25**			**625**
SEMESTER-VI									
1. DSC	BA/ECO/SM/6/DSC/304	Research Methodology	300	4	-	4	30	70	**100**
	BA/ECO/SM/6/DSC/305	Welfare Economics	300	4	-	4	30	70	**100**
	BA/ECO/SM/6/DSC/306	Demography	300	4	-	4	30	70	**100**
	BA/ECO/SM/6/DSC/307	Economic Development and Policy in India-I	300	4	-	4	30	70	**100**
2.MIC	BA/ECO/SM/6/MIC/302	Financial Institutions and Markets	300	4	-	**4**	30	70	**100**
5. SEC	BA/ECO/SM/2/SEC/302	Statistical Applications in Economics (Practical)	300	-	3	**3**	0	75	**75**
	BA/ECO/SM/3/SEC/303	Mathematical Applications for economics (Practical)	300	-	3	**3**	0	75	**75**
6. VAC	CDLU/VAC/102	Professional Skills	300	2	-	**2**	15	35	**50**
	TOTAL					**28**			**625**

FIFTH SEMESTER

Course Title: Agricultural Economics Course Code: BA/ECO/SM/5/DSC/301	Total Credits: 4 Time: 3 Hrs. Marks: 100 External: 70 Internal: 30

Note for the Paper Setter

   The question paper will consist of *nine* questions in all. First question will be compulsory and will consist of seven short questions of two marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 14 marks each selecting at least one question from each unit.

Course Outcomes

CO1	Understand, critically analyze and present the nature, importance and scope of agricultural.
CO2	Comprehend, compare, critically analyze and able to present the various theories and models of agricultural development
CO3	Attain in-depth understanding of the burning issues in Indian agriculture including land reforms and labourers.
CO4	Understand and critically analyze the Agriculture price policy and marketing in India.

Unit – I

Agriculture and Economic Development

Agricultural Economics – Definition, Nature and Scope; Role of Agriculture in Economic Development; Inter-sectoral Linkages of Agriculture (Backward & Forward Linkages and Feedback Effects); ; Difference between agriculture and Industry; Need for a separate study of Agricultural Economics.

Unit – II

Approaches to Agriculture Development; Schultz, Mellor, Boserup, Lewis and Ranis-Fie.

Unit – III

Land reforms and system of farming. Farm size and productivity relationship, agricultural taxation (all these topics should deal with special reference to India). Problems and Measures to improve the conditions of Agricultural Labourers;

Unit – IV

Agriculture price policy in India: origin, objectives, need, instruments, shortcomings and suggestions for Re-orientation of Agricultural Price Policy in India; Agriculture Marketing in India;, CACP, MSP , Procurement price.

Reading List

- Southworth, H.M. and B.F. Johnston (ed.) Agricultural Development and Economic Growth (Cornell University Press, London, 1974).
- Heady, E.O. Economics of Agricultural Production and Resources Use (Prentice Hall India Ltd. New Delhi-1964).
- Sadhu, A.N. and A. Singh, Agricultural Problems in India (Himalaya Publishing House, Bombay).
- Mellor, J.W. The Economics of Agricultural Development (Vora and Co. Bombay, 1966).
- Donner, Peter: Land Reforms and Economic Development.
- Kahlon, AS. And Tyagi, D.S. Agricultural Price Policy in India (allied Pub. New Delhi, 1983).
- Patnaik, Utsa (ed.) Agrarian Relations and Accumulation. The mode of production in India.
- Kaur, Rajbans Agricultural Price Policy in Economic Development.
- The Indian Society of Agricultural Economics, Agricultural Development in Developing Countries in Asia and south East Asia since 1945 World War II.
- Rao, C.H.H. Technological change and Distribution of gains in Indian Agriculture.
- Lehman, Davir (ed) Agrarian Reform and Agrarian reformism in India.
- Ghatak, S. and Ken Ingersent Agriculture and Economic Development.
- Bilgrami, SAR an Introduction to Agricultural Economics (Himalaya Pub. House, Bombay).
- Rudra Ashok Indian Agricultural Economics: Myth and Realties (Allied Pub. New Delhi 1982).
- Soni, RN. Leading Issues in Agricultural Economics (Sohan Lal Nagin Chand Co. Jalandhar, 2006).
- Khusro, AM. Readings: in agricultural Development.
- Vandana Shiva The Violence of Green Development.
- Frankel, Francis, R India's Green Revolution, Economic Gain and Political Costs (OUP Bombay 1971).
- Dantwala, M.L. (ed.) Indian Agricultural Development since Independence.
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	Theory Credits: 4
Course Title: Statistics for Economists **Course Code: BA/ECO/SM/5/DSC/302**	Time: 3 Hrs. Marks: 100 External: 70 Internal: 30

Note for the paper Setter

The question paper will consist of ***nine*** questions in all. First question will be compulsory and will consist of seven short questions of two marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 14 marks each selecting at least one question from each unit.

Course Outcomes

CO1	Students will be able to learn about skewness, kurtosis and probability distribution.
CO2	Students will enhance their skills about correlation, Regression analysis.
CO3	Students will learn Time series analysis, Index numbers and statistical analysis.
CO4	Understanding of probability theory, random variable, sampling and hypothesis testing.

Unit-I

Diagrammatical and graphical presentation of data, Measures of Skewness, Moments and measures of kurtosis, Probability Distribution (Binomial, Poisson and normal distribution).

Unit-II

Correlation and regression: simple correlation, Pearson, spearman's correlation coefficients, multiple and partial correlation analysis specification of a simple linear regression model, least square estimation of linear regression coefficients, interpretation of correlation and regression coefficients and their properties

Unit-III

Time series analysis, Index number analysis, Time reversal test, Factor reversal test, circular test, Types of statistics Analysis (Univariate, Bivariate and Multivariate analysis).

Unit-IV

Probability theory, Random variable and its properties, Sampling and it's Methods, Hypothesis testing (large and small sample test),Type I and Type II errors.

Suggested Readings

Gupta S. C. "Fundamentals of Statistics" S. Chand & Sons, New Delhi (1993)

Spiegel, Murry R "Theory and problems of Statistics" (Schaum's outline series,

McGraw Hill) (1992)

Karmal P. H. and Polasek M. "Applied Statistics for Economists (4th edition), Pitman, Australia.

Paul McFedrics (2019). "Microsoft Excel 2019 Formulas and Functions", Pearson Education, Inc.

Ken Bluttman, "Excel Formulas and Functions for Dummies (3rd edition)" Wiley Publications.

Wayne L. Winston, "Microsoft Excel 2019 Data Analysis and Business Modling (6th edition)", Pearson Education, Inc.

Greg Harvey, PhD, "Microsoft Excel 2019 for Dummies" Wiley Publications.

		Total Credits: 4
	Course Title: The Theory of Capitalist Development **Course Code: BA/ECO/SM/5/DSC/303**	Time: 3 Hrs. Marks: 100 External: 70 Internal: 30

Note for the Paper Setter

The question paper will consist of *nine* questions in all. First question will be compulsory and will consist of seven short questions of two marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 14 marks each selecting at least one question from each unit

Course Outcomes

CO1	Understand, explain and apply the different concepts of Marxian Political Economy such as commodity production, use value, exchange value and law of value along with the ability to think critically and analyze the prevailing conditions of society.
CO2	Understand, explain and analyze the different concepts such as surplus value, organic composition of capital, rate of profit and Nature & process of Development along with the ability to think critically and analyze the prevailing conditions of society.
CO3	Understand and analyze the nature of capitalistic crisis, development of monopoly capitalist and role of banks along with the ability to think critically and analyze the prevailing conditions of society.
CO4	To become familiar with the concept of Imperialism, Law of uneven Development under Imperialism along with the ability to think critically and analyze the prevailing conditions of society.

Unit-I

Marxian Political Economy: Commodity Production: Use Value, Exchange Value, Labour and Law of Value, Commodity Fetishism.
Basic Concepts: Capitalistic Class, Working Class or Proletariat & Merchant Capital.

Unit-II

Surplus Value: Origin of Surplus Value, Components and rate of Surplus Value, Organic Composition of Capital, Rate of Profit.
Nature and process of Development: Capital Accumulation, Simple and Expanded reproduction, Process of Capitalist Reproduction.

Unit-III

Development of Monopoly Capitalist: Concentration and Centralization of Capital, Corporations, Cartels, trust & mergers, the role of banks.
Capitalistic Crisis: Nature of Capitalistic Crisis: Simple Commodity Production and Crisis, Say`s law, types of Crisis, Falling tendency of rate of Profit.

Unit-IV

Imperialism: meaning of Imperialism, Law of uneven Development under Imperialism, Socialization of productive forces and sharpening of imperialist contradictions.

Imperialism as the last stage of Capitalism, Limits of Imperialism.

Reading List

Eaton, J. (1973): Political Economy, International Publishers, New York, Revised Edition.

Junankar, P.N. (1983) Marx`s Economics, Heritage Publishers, New Delhi.

Marx,K.& F. Engels (1977): Manifesto of the Communist Party, Progress Publishers, Moscow, 2nd edition

Maurice Cornforth (1971): Dialectical Materialism, National Book Agency, Pvt.Ltd.,Calcutta, 3rd edition

Nikitin,P.(1966): Fundamentals of Political Economy, Progress Publisher, Moscow. 2nd edition.

Stalin,J. (1978): Dialectical Materialism, National Book Agency, Pvt. Ltd., Calcutta.

Sweezy,P. M. (1991): The Theory of Capitalist Development, K.P. Bagchi & Co., New Delhi, Ist Indian reprint.

Course Title: Financial Services Course Code: BA/ECO/SM/5/MIC/301	Theory Credits: 4 Time: 3 Hrs. Marks: 100 External: 70 Internal: 30

Note for the Paper Setter

The question paper will consist of *nine* questions in all. First question will be compulsory and will consist of seven short questions of two marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 14 marks each selecting at least one question from each unit.

Course Outcomes

CO1	Demonstrate an awareness of the current structure and regulation of the Indian financial services, merchant banking and factoring.
CO2	Describe the functioning of venture capital industries; access the credit rating process methodology.
CO3	Understanding the concept of leasing and functioning of mutual fund.
CO4	Develop understanding of book building mechanism and analyse the credit card business in India.

Unit-I

Financial Services: Concept, Nature, Types and Scope of Financial Services, Regulatory Frame Work of Financial Services, Growth of Financial Services in India; Merchant Banking: Meaning, Types, Responsibilities of Merchant Bankers, Role of Merchant Bankers in Issue Management, Regulation of Merchant Banking in India; Factoring: Meaning, Characteristics and Types of Factoring arrangements, factoring in India, Factoring vs. Forfeiting.

Unit-II

Venture Capital: Meaning, Modes of Financing, Growth of Venture Capital in India; Credit Rating: Meaning and types; Benefits of Credit rating to investors and companies, Credit Rating Agencies- Objectives and Functions.

UNIT-III

Leasing: Concept, Classification, Evaluation of Leasing Option Vs. Borrowing; Mutual Funds: Concept and Objectives, Functions and Portfolio Classification, Organization and Management, Guidelines for Mutual Funds, Working of Public and Private Mutual Funds in India.

Unit-IV

Securitization: Concept, Mode, Mechanism and Beneficiaries of Securitization, Securitization in India; Book Building: Concept and Mechanism of Book Building, Significance and Benefits of Book Building; Credit Cards: Concept and Significance, Types of Credit Cards, Credit card Business in India

Reading List
1. Bhole&Mahakud, Financial Institutions and Market, TMH, New Delhi
2. V.A. Avadhani, Marketing of Financial Services, Himalayas Publishers, Mumbai
3. DK Murthy, and Venugopal, Indian Financial System, IK Int Pub House
4. Anthony Saunders and MM Cornett, Fin Markets &Institutions, TMH, New Delhi
5. Punithavath Pandian, Financial Markets and Services, Vikas, New Delhi
6. Vasanth Desai, Financial Markets & Financial Services, Himalaya, Mumbai

Course Title: Computer Applications in Economics Course Code: BA/ECO/SM/5/SEC/301	Total Credits: 3 (**Practical**) Time: 3 Hrs. Marks: 75 (Further division of marks will be as per university norms)

Course Outcomes

CO1	Students will be able to understand MS Word and MS Power Point.
CO2	To understand the concepts and working of MS Excel.
CO3	To understand the statistical technique and analysis on MS Excel.

Unit-I

Introduction to MS Word: Editing and formatting of documents, inserting page Numbers and footnotes, Table: Auto Format and Properties, Inserting graphs and diagrams.

Introduction to MS Power point: Creating and enhancing presentation.

Unit-II

Introduction to Excel: Creation of worksheets; Data entry, formatting, sorting and validation; Importing and exporting of data files, Uses of mathematical (addition, subtraction, multiplication and division) and Descriptive statistics (mean, median, mode, standard deviation and co variance); Creation of diagrams and graphs.

Unit-III

Statistical techniques on excel: correlation and regression analysis by using excel. Estimation of simple growth, compound growth and exponential growth on excel.

Suggested Readings:

Rajaraman, V. (2015). *Fundamentals of Computers*. Prentice Hall of India, New Delhi.
BhattacharjeeDibyojyoti (2010), *Practical Statistics: Using Microsoft Excel*, Asian Books,Asian Books Private Limited, New Delhi.
ITL Eduction Solution Limited (2012), *Introduction to information Technology*, Pearson, NewDelhi.

Leadership and Management Skills

Credits: 2 (Theory)   **Max. Marks: 50**

Lectures: 30   **Final Term Exam: 35**

Duration of Exam: 2 Hrs.   **Internal Assessment: 15**

COURSE OBJECTIVES

• Develop essential skills to influence and motivate others.

• Inculcate emotional and social intelligence and integrative thinking for effective leadership.

• Create and maintain an effective and motivated team to work for society.

LEARNING OUTCOMES

• Understand the basics of entrepreneurship and develop business plans.

• Apply the design thinking approach for leadership.

• Appreciate the importance of ethics and moral values for the making of a balanced personality.

Unit-1

Leadership Skills: Understanding Leadership and Its Importance, Models of Leadership, Basic Leadership Skills.

Managerial Skills: Basic Managerial Skills, Self-management Skills, Emotional Quotient, Developing Self-Awareness with JOHARI Window.

Entrepreneurial Skills: Basics of entrepreneurship, Creating a Business Plan.

Unit-2

Innovative Leadership and Design Thinking: Innovative Leadership and Design Thinking, Innovative leadership, Design thinking.

Ethics and Integrity: Ethics and Integrity, Learning through biographies, Ethics and Conduct.

Managing Personal Finance: Budgeting, Saving and investing.

Suggested Readings: Follow Curriculum and Guidelines for Life Skills (Jeevan Kaushal) 2.0 at UGC website:
https://www.cdlu.ac.in/assets/admin/miscellaneous/Implementation%20of%20Curriculum%20and%20Guidelines%20on%20Life%20Skills%20(Jeevan%20Kaushal)%202.0.pdf

*Note for the Paper Setter: The question paper will consist of **five** questions in all. The first question will be compulsory and will consist of **seven** short questions of **1** marks each covering the whole syllabus. In addition, **four** more questions of **14 marks each** will be set unit-wise comprising of **two** questions from each of the **two** units. The candidates are required to attempt **one compulsory question** and **two more questions** selecting at least one question from each unit.*

SIXTH SEMESTER

Course Title: Research Methodology Course Code: BA/ECO/SM/6/DSC/304	Total Credits: 4 Time: 3 Hrs. Marks: 100 External: 70 Internal: 30

Note for the Paper Setter

      The question paper will consist of *nine* questions in all. First question will be compulsory and will consist of seven short questions of two marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 14 marks each selecting at least one question from each unit.

Course Outcomes

CO1	Understanding the various types, objectives and characteristics of research in social Sciences. Also, students will know about selection of research problem.
CO2	Students will be able to know about various types of hypothesis and ethics in social sciences.
CO3	Students will learn the skill about to prepare the review of literature and various research design in social sciences.
CO4	Understanding about the skill to collect the data from various sources through questionnaire/ Schedule etc.

Unit – I

Research: Meaning, purpose, Significance and Types of Research. Social Research: Meaning, Characteristics, objectives and fundamental concepts of Social Research. Research Problem: Definition and Statement of the Problem, criteria techniques and precautions involved in detaining the problem.

Unit – II

Hypothesis: Meaning, features, Significance, types, Sources and criteria of a Good Hypothesis Scientific Method: Meaning Characteristics stages and Limitations of scientific method. Problem of values, objectivity and ethical issues of Research in Social Sciences.

Unit – III

Review of Related Literature: Meaning and Purpose. Presentation on exploring and locating the Sources of relevant literature. Presentation for analysing the reviewed literature. Prepare and submit a report on collected review. Research Design: Meaning, features, Need and types of Research Design. Experimental Design in Social Research.

Unit – IV

Practice to explore the various sources of secondary data, Presentation on various techniques of Primary data collection, Hands on to develop a questionnaire/schedule, Presentation of developed questionnaire/schedule, to collect and submit the fulfilled questionnaire/schedule assigned in the class.

Reading List

Boserup, E. (1970). *Women's Role in Economic Development*. George Allen and Unwin, London.

Desai, N. & Raj, M.K. (Eds.). (1979). *Women and Society in India.* Research Center for Women Studies, SNDT University, Bombay.

Government of India (1974). *Towards Equality – Report of the Committee on the Status of Women in India,* Department of Social Welfare, Ministry of Education and Social Welfare, New Delhi.

Krishnaraj, M., Sudarshan, R.M. &Shariff, A. (1999). *Gender, Population and Development*. Oxford University Press, New Delhi.

Seth, M. (2000). *Women and Development: The Indian Experience.* Sage Publications, New Delhi.

Srinivasan, K. &Shariff, A. (1998). *India: Towards Population and Development Goals*. Oxford University Press, New Delhi.

Venkateswaran, S. (1995). *Environment, Development*

Course Title: Welfare Economics Course Code: BA/ECO/SM/6/DSC/305	Total Credits: 4 Time: 3 Hrs. Marks:100 External: 70 Internal:30

Note for the Paper Setter

The question paper will consist of *nine* questions in all. First question will be compulsory and will consist of seven short questions of two marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 14 markseach selecting at least one question from each unit.

Course Outcomes

CO1	It will make students aware about the concept of welfare Economics. Understand the different ways to measure welfare changes for individuals and know how to aggregate them.
CO2	Be exposed to the applied welfare and public economics literatures and be able to relate the two literatures using conventional welfare economics tools. Students will Understand the concept of social welfare function and theories of social welfare.
CO3	Demonstrate the knowledge and understanding about the significance of intervention of government and other institution in order to regulate externalities, public goods and to design the tax.
CO4	Students will understand the different concepts of asymmetric information.

Unit-I

Value judgement and Welfare Economics; Scope and Purpose of Welfare Economics, Benthamite Approach to Aggregate Welfare, some early Criteria, Pareto Optimally Criterion and Efficiency Conditions, Compensation Criteria – Contributions of Kaldor and Hicks, The Scitovsky Double Criterion.

Unit-II

Social Welfare: Samuelson's utility possibility curve, Samuelson and Bergson's social welfare functions, theory of Second best and Arrow's impossibility theorem

Unit-III

Market failure; Problem of Public goods; Divergence between Private and Social costs; Externalities of Production and Consumption; External economies and diseconomies; Pigouvian taxes, Property Rights and Coase Theorem, Tragedy of Commons.

Unit-IV

Asymmetric and Imperfect Information Models: Adverse Selection, Moral Hazard, principal agent problem, Signalling, Separating and Pooling Equilibrium.

ReadingList

Baumol,W.J.(ed.)(2001),WelfareEconomics,EdwardElgarPublishingLtd.,U.K.

Broadway,R.W.andN.Bruce(1984),WelfareEconomics,BasilBlackwell,Oxford.

Pigou,A.C.(1962),TheEconomicsofWelfare(4thEdition),Macmillan.

Hicks,J.R.(1956),ARevisionofDemandTheory,ClarendonPress,Oxford.

Little,I.M.D.(1949),TheFoundationsofWelfareEconomics,OxfordEconomicPapers

Course Title: Demography Course Code: BA/ECO/SM/6/DSC/306	Total Credits: 4 Time: 3 Hrs. Marks: 100 External : 70 Internal : 30

Note for the Paper Setter

The question paper will consist of *nine* questions in all. First question will be compulsory and will consist of seven short questions of two marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 14 markseach selecting at least one question from each unit.

Course Outcomes

CO1	Understand the concept of demography and methods of demographic data.
CO2	To learn & equip with the measure of population growth, structure and distribution.
CO3	To understand the demographic process of fertility, mortality and migration.
CO4	Use demographic concepts and population theories to explain past and present population characteristics.

Unit-I

Demography- Meaning, objective, scope, subject matter and importance of demography, Difference between demography and population studies, Relationship of demography with other social sciences; Sources and methods of demographic data-census method, registration method and method of sample survey.

Unit-II

Measures of population growth-Replacement process method, Observed change method: Measures of population structure- Sex Ratio, Child Women Ratio, Literacy Ratio, Dependency Ratio; Population/ Age Pyramid- Types and construction.

Measures of population distribution-Population density or density Ratio-types and determining factors.

Unit-III

Fertility, Mortality and Migration: Fertility - Meaning & Concepts; Factors affecting Fertility; Levels and Trends of Fertility in Developed and Developing Countries. Mortality - Meaning & Concepts; Factors affecting Mortality; Measures of mortality; Life Tables - Construction & Uses; Concepts of Stationary, Stable and Quasi Stationary Population; Migration –Meaning, Types, Effects and Factors affecting Migration; Brain-Drain-Causes of Brain-Drain

Unit-IV

Theories of Population: Malthusian Theory, Optimum Theory; Theory of Demographic Transition; Biological Theories of Population; Socio-Economic Theories of Population – Marx & Leibenstein; Meadows limits to growth model.

Population Policy-Evolution of population policy in India, New population policy 2000-Objectives and targets

Family planning –Strategies and their outcomes, Criticism of family planning and suggestions to improve and expand family planning;

Reading List

Majumdar, P. K. (2010) *Fundamentals of Demography*, Rawat Publication.

Mishra, J.P. (2018),*Demography*, SahityaBhawan Publication.

Novell, C. (1990), *Methods and Models in Demography*,Bellhaven, Washington D.C.

Pathak, K.B. & Ram, F. (2016). *Techniques of Demographic Analysis*. Himalaya Publishing House.

Weeks, J. (2005)*Population: An Introduction to Concepts and Issues*. Wordsworth Learning. Singapore 9th edition.

Siegel, Jacob S. &David A. Swanson (2004) *The Methods and the materials of Demography*. Second Edition, Elsevier Science.USA.

Srinivasan, K. (1998)*Basic Demographic Techniques and Applications*. Sage publications.

Course Title: Economic Development and Policy in India- I **Course Code: BA/ECO/SM/6/DSC/307**	Total Credits: 4 Time: 3 Hrs. Marks: 100 External: 70 Internal: 30

Note For the paper Setter

The question paper will consist of *nine* questions in all. The first question will be compulsory and will consist of five short questions of 2 marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 15 marks each selecting at least one question from each unit.

Course Outcomes

CO 1	To understand the changes in structure of Indian economy and need and objectives of planning.
CO 2	To know various economic reforms introduced in India and their impact on Indian Economy.
CO 3	Understanding the nature, extent and estimates of poverty and unemployment and programmes to eradicate them.
CO 4	To Know trends in agriculture development and issues of food security in India.

Unit – I

Economic Development since Independence: State of the Indian economy at the Independence, Changes in the structure of the Indian economy.

Adoption of Planning in India: Objectives, Strategy and Assessment (Plan wise details to be excluded), Types of planning, Niti Ayog- its Objectives and Functions.

Unit-II

Economic Reforms in India: State of the Indian Economy in 1991. Features of Economic Reforms and Structural Adjustment Programme: Liberalization, Privatization and Globalization. Appraisal of Economic Reform Programme.

Unit-III

Poverty, Inequality and unemployment in India: Nature, Extent and Estimates and Programmes for eradication of poverty and unemployment with special reference to the post – reform era.

Unit-IV

Agriculture and its Development in India: Recent Trends in Agricultural Development - Causes of Deceleration and Future Challenges. New Agricultural Strategy in India (Green Revolution) and its impact on Indian Agriculture. Economic Liberalization and Indian Agriculture. Food Security- Problems and Policy Options.

Reading List

Bardhan. P.K. (9th Edition) (1999), The Political Economy of Development in India,Oxford University Press, New Delhi.

Brahmanada, P.R. and V.R. Panchmukhi (Eds.) (2001), Development Experience in the Indian Economy: Inter-State Perspectives, Bookwell, Delhi.

Datta, R. and K P. M. Sundhram (latest edition), Indian Economy. S. Chand & Company Ltd. New Delhi.

Mishra, S.K and V.K. Puri Indian Economy-151 Development Experience, Himalaya Publishing House, Mumbai, Latest Edition.

Meier, Gerald M. (1987).*Pioners in Development*. Oxford University Press, New Delhi.

Ministry of Finance (2020). *Economic Survey*. Government of India.

Course Title: Financial Institutions and Markets Course Code: BA/ ECO /SM/6/MIC/302	Theory Credits: 4 Time: 3 Hrs. Marks: 100 External: 70 Internal: 30

Note for the Paper Setter

      The question paper will consist of *nine* questions in all. First question will be compulsory and will consist of seven short questions of two marks each covering the whole syllabus. In addition, eight more questions will be set unit-wise comprising of two questions from each of the four units. The candidates are required to attempt four more questions of 14 marks each selecting at least one question from each unit.

Course Outcomes

CO1	To enable the students with Financial Markets and its various segments.
CO2	Give the students an understanding of SEBI and RBI
CO3	Acquaint them to gain an insight into the functioning and role of Development banks.
CO4	Gain knowledge about different types of mutual funds

Unit-I

Introduction: Nature and role of financial system and financial markets; Financial system and economic development; An overview of Indian financial system; Financial markets: Money and Capital markets; Money market-meaning, constituents and functions, money market instruments, Recent developments in Indian money market; Capital market-primary and secondary market; government securities market; Industrial securities market; Recent developments in Indian capital market;

Unit-II

SEBI- Its formation, Role and recent developments; Reserve Bank of India: Organization, management and functions; Credit creation and Credit control; Monetary policy.

UNIT-III

Commercial banks: meaning and functions, Structure and recent developments in commercial banking in India; Development banks: Concept, objectives and functions of development banks; Operational and promotional activities of development banks; IFCI, ICICI, IDBI, IRBI, SIDBI, NABARD and state level development banks.

Unit-IV

Mutual funds: Concept, types, and regulation of mutual funds (with special reference to SEBI guidelines), Designing and marketing of mutual fund schemes, Appraisal and latest mutual fund schemes in India.

Reading List:

1. Avdhani: Investment and Securities Markets in India, Himalaya Publications, Bombay.
2. Averbach, Robert D: Money, Banking and Financial Markets; MacMillan, London.
3. Bhole, L.M.: Financial Markets and Institutions, Tata McGraw Hill, Delhi.
4. Ghosh, D: Banking Policy in India, Allied Publications, Delhi.
5. Giddy, I.H: Global Financial Markets, A.I.T.B.S., Delhi.
6. Khan, M.Y: Indian Financial System, Tata McGraw Hill, Delhi.

	Total Credits: 3 (**Practical**) Time: 3 Hrs. Marks: 75 (Further division of marks will be as per university norms)
Course Title: Statistical Applications in Economics **Course Code: BA/ECO/SM/6/SEC/302**	

Course Outcomes

CO1	To understand data of NSSO and sources of inflation, agriculture and industries.
CO2	To understand the basic concepts and analysis of SPSS.
CO3	To understand Hypothesis and test of significance.

Unit-I

Sources of data: NSSO Data: Introduction to various rounds; Coverage, important categories and limitations. Data Sources on Inflation: Consumer Price Index and Wholesale Price Index. Sources of economic data available on agriculture and industries.

Unit-II

Introduction to SPSS: Some basic commands and data entry defining variables. Statistical processing and technique: summarizing and analysis of data: descriptive statistics: mean, median, mode, standard deviation, co variance, etc.

Unit- III

Understanding Hypothesis and test of significance: Hypothesis testing, correlation and regression analysis in SPSS, estimation of growth rates.

Suggested Readings:

Gupta S. C. "Fundamentals of Statistics" S. Chand & Sons, New Delhi (1993)

Gujarati, D. (2002). *Basic Econometrics* (4th ed.). McGraw Hill.

George, Darren Mallery Paul (2011), *SPSS for Windows step by step: A simple guide and reference* 15.0, Pearson Education, New Delhi.

Data Sources:
1. **RBI Database on Indian Economy**
2. **Latest National Account Statistics India (CSO)**
3. **India Statistics (CSO – Cover Agriculture, Industry, Service and Social Sector)**
4. **Economic Survey Database**
5. **Indian Planning Experience - A Statistical Profile**
6. **District Domestic Products (All Major States – 1999-00 to 2008-09)**
7. **Planning Commission Socio-economic Database on Indian Economy**

	Total Credits:3
Course Title: Mathematical Applications for Economics **Course Code: BA/ECO/SM/6/SEC/303**	(**Practical**) Time: 3 Hrs. Marks: 75 (further division of marks will be as per university norms)

Course Outcomes

CO1	Student will learn concept of matrix and determinants its economic applications, Understand, explain and solve the derivatives of the functions and some recent concepts.
CO2	To understand rules of differentiation with their economic applications and Maxima -Minima problems.
CO3	Understand the technique of linear programming and attainability to analyse concept of integration technique.

Unit-I

Concept of Matrix and Determinant: their types, simple operations on matrices; Matrix inversion and rank of matrix; Cramer's rule and Matrix inverse method and their economic applications. Functions: Concept and types of functions; Multivariable functions; Interpretation of revenue, cost, demand, supply functions; Types of production cost functions; Limits, Continuity.

Unit-II

Rules of differentiation: higher order derivatives and its economic applications. Revenue and Cost functions, Rules of Partial differentiation, higher order partial derivatives and its economic applications.

Problem of maxima-minima in single and multivariable function, Revenue and Cost functions

Unit-III

Solution of linear programming problem through graphical and simplex method.

Concept of integration and its application. Simple rules of integration and its application to consumer's and producer's surplus.

Suggested Readings

Aggarwal D.R. *Quantitative Methods*
Aggarwal S.C. and R. K. Rana*Mathematics for Economists* (latest).VK Global Publications
Allen, R.G.D. (1972). *Mathematical Economics*. Macmillan, London.
Allen, R.G.D. (2002). *Mathematical Analysis for Economists.* Macmillan Press and ELBS
Chiang, A.C. (1999). *Elements of Dynamic Optimization*. Waveland Press Inc., Long Grove
Chiang, A.C. (2006). *Fundamental Methods of Mathematical Economics.* McGraw Hil.
Henderson, J. M. &Quandt, R.E. (2003). *Microeconomic Theory: A Mathematical Approach*.
McGraw Hill, New Delhi.
Hoy, Michael *et al.*(2004)*Mathematics for Economics*, PHI, New Delhi,
Koutsoyiannis, A. (1979)*Modern Microeconomics*. Macmillan Press, London.

CDLU/VAC/102
Professional Skills

Credits: 2 (Theory)	**Max. Marks: 50**
Lectures: 30	**Final Term Exam: 35**
Duration of Exam: 2 Hrs.	**Internal Assessment: 15**

COURSE OBJECTIVES

• Acquire career skills and fully pursue to partake in a successful career path

• Prepare a good resume

• Prepare for interviews and group discussions

LEARNING OUTCOMES

• Participate in a simulated interview.

• Actively participate in group discussions towards gainful employment.

• Capture a self-interview simulation video regarding the job role concerned.

Unit-1

Résumé Skills: Preparation and Presentation, Introduction of Résumé and Related Terms, Importance of Preparing a Good Résumé, Difference between a CV, Résumé, and Biodata, Essential Components of a Good Résumé, Résumé Skills: Common Errors, Common Errors, Guidelines for Résumé Preparation.

Interview Skills: Preparation and Presentation, Meaning of Interview, Types of Interview, STAR Approach for Facing an Interview, Interview Procedure, Do's and Don'ts, Important Questions Generally Asked in a Job Interview, Interview Skills: Common Errors, Common Errors, Interview Questions for Assessing Strengths and Weaknesses, Simulation, Job Simulation Formats, Comment Critically on Simulated Interviews, Demonstrate an Ideal Interview.

Group Discussion: Meaning of a Group Discussion, Importance of a Group Discussion, Types of Group Discussions, Procedure of a Group Discussion, Methodology, Ground Rules, Stages of group formations, Evaluation of Group Discussion, Common Errors, Simulation.

Process of Career Exploration: Knowing Yourself, Personal Characteristics, Knowledge about the World of Work, Requirements of Jobs Including Self-employment, Sources of Career Information, preparing for a Career Based on Potentials of Learners and Availability of Opportunities.

Cognitive Skills: Meaning, types of cognitive skills, and strategies, Critical Thinking Skills, Problem-solving Skills, Ability to Learn.

Non-cognitive Skills: Meaning, Types of Non-Cognitive skills and Strategies, Empathy, Teamwork, Creativity, Collaboration, Resilience, Interpersonal Skills, Perseverance, Self-Control, Social Skill, Peer Pressure, Stress and Stress Management.

Unit-2

Presentation Skills: Meaning and Types, Meaning of Presentation, Types of Presentations, Presentation for Internal and External Communication, Presentation Strategies, Ways to Improve Presentation Skills over Time.

Trust and Collaboration: Explain the importance of trust in creating a collaborative team, Definition of Trust, Importance of Trust in Creating a Collaborative Team, Strategies to Build Trust with Employees, Criteria for Evaluation of Trust and Collaboration in Teams, Agree to Disagree and Disagree to Agree– Spirit of Teamwork, Understanding Fear of Being Judged and Strategies to Overcome Fear, Understanding the Fear of Being Judged, Signs and Symptoms of Social Anxiety Disorder, Strategies to Overcome Fear or Social Anxiety.

Listening as a Team Skill: Listening Skill, Advantages of Effective Listening Skills, Types of Listening, Listening as a Team Member and Team Leader, Listening as a Team Leader, Listening as a Team Member, Improving Listening Skills, Uses of Active Listening Strategies to Encourage Sharing of Ideas, The Importance of Active Listening in the Workplace, Strategies for Improving Active Listening Skills to Encourage Sharing of Ideas.

Brainstorming: The Meaning and Process, Procedure for Conducting Brainstorming, Importance of Using the Brainstorming Technique, Types of Brainstorming, Learning and Showcasing the Principles of Documentation of Team Session Outcomes.

Social and Cultural Etiquettes: Meaning, Need for Effective Interpersonal Relationships, Aspects of Social and Cultural/Corporate Etiquette in Promoting Teamwork, Social Etiquette, Cultural Etiquette and its role in promoting teamwork, Corporate/Professional Etiquette.

Internal Communication: Meaning, Need for Internal Communication, Use of Various Channels of Transmitting Information to Team Members including Digital and Physical.

Suggested Readings: Follow Curriculum and Guidelines for Life Skills (Jeevan Kaushal) 2.0 at UGC website:
https://www.cdlu.ac.in/assets/admin/miscellaneous/Implementation%20of%20Curriculum%20and%20Guidelines%20on%20Life%20Skills%20(Jeevan%20Kaushal)%202.0.pdf

*Note for the Paper Setter: The question paper will consist of **five** questions in all. The first question will be compulsory and will consist of **seven** short questions of **1** marks each covering the whole syllabus. In addition, **four** more questions of **14 marks each** will be set unit-wise comprising of **two** questions from each of the **two** units. The candidates are required to attempt **one compulsory question** and **two more questions** selecting at least one question from each unit.*