

Part-B

Syllabus Prescribed for 2 Year Post Graduate Programme (NEP)

Programme: Master of Commerce II Year Semester III-NEP

Code of the Course	Title of the Course	Total Number of Periods
M.Com-NEP-301 (DSC)	Statistical Analysis for Advance Research	75

Course objectives:

After undergoing this syllabus, the students acquire:

1. Understand variables and their levels of measurement.
2. Describe data using numeric measures such as averages, measures of relative position (mean, median, and mode), dispersion, and skewness and presenting data graphically.
3. Constructing frequency tables, frequency distributions, and understanding the normal curve.
4. Analyzing correlation using scatter diagrams and Pearson's and Karl Pearson's coefficients, Rank and Differences.
5. Calculating coefficients of determination.
6. Applying linear regression using the least square method.
7. Conducting non-parametric tests such as Chi-square applications, contingency table analysis, and sign tests.
8. Performing one-sample and two-sample tests of hypothesis using T-statistics and Z statistics.
9. Comparing two population variances and conducting ANOVA tests.
10. Constructing weighted and unweighted indexes for index number calculations.
11. Analyzing time series data using moving average and least square methods to fit straight-line trends.

Course outcomes:

Upon completion of this course, students will attain proficiency in statistical analysis, enabling them to:

1. Discern and effectively utilize variables and their measurement levels for precise inferential and descriptive statistical computations crucial for advanced research.
2. Employ advanced techniques to organize, manage, and visually represent complex datasets, utilizing frequency distributions and cumulative frequency distributions for insightful analysis.
3. Conduct sophisticated correlation analyses to discern intricate relationships between variables, essential for nuanced research inquiries.
4. Execute complex linear regression analyses to model and predict outcomes based on intricate data patterns.
5. Apply advanced statistical methods for both parametric and non-parametric data sets, ensuring robust analysis across diverse research contexts.
6. Utilize cutting-edge statistical tools to process raw data, facilitating hypothesis testing and graph construction tailored to advance research requirements.
7. Engage in constructing and interpreting intricate index numbers, coupled with dynamic computation of moving averages to capture nuanced trends and patterns in research data.
8. Cultivate expert-level understanding of statistical principles, techniques, and methodologies, fostering critical thinking and advanced problem-solving skills crucial for tackling complex research challenges.

Unit	Contents	No. of Periods
I	Variables, Level of Measurements, Describing data: Numeric Measures (Averages, Relative position of Mean, Median, Mode, Dispersion & Skewness) Frequency tables, Frequency Distributions normal curve, Graphical Presentation	15
II	Correlation: Scatter Diagram, Pearson's Co-efficient of Correlation of Rank Differences, Karl Pearson's Co-efficient of Correlation, Co-efficient of Concurrent Deviations Co-efficient of Determination, Linear Regression: Least Square Method	15
III	Non-Parametric Test: Chi Square Applications, Contingency Table Analysis, Sign Test	15
IV	One Sample Test and Two Sample tests of Hypothesis: T- statistics, Z- statistics, Comparing Two Population Variances & ANOVA	15

V	Index Number: Weighted and Unweighted Indexes Time Series: Moving Average Method, Least Square Method to Fit Straight Line Trend.	15
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BOOKS RECOMMENDED:

- Hood R.P :Statistics for Business and Economics(Publisher: Macmillan, New Delhi)
- Levin Richard and Devid S. Rubin Statistics for Management:(Publisher-Prentice Hall, New Delhi)
- Elhance D.N. & Elhance P.P. : Fundamentals of Statistics, Kitab Mahal Nagpur
- Sancheti D.C. & Kapoor V. K.: Statistics: Theory, Methods and Application, Publisher-S. Chand Co. New Delhi
- Dr.Shukla & Sahay Principles of Statistics, Sahitya Bhavan Publications, Agra
- Gupta B.N.: Statistics Sahitya Bhavan Publications, Agra
- Gupta S.P. Statistical Methods: Sultan Chand & Co., New Delhi
- Gupta S.C.: Fundamentals of Statistics: Himalaya Publishing House, New Delhi
- Lind D.A., William G.Marchal&Wathen Samuel Statistical Techniques I Business & Economic The Mcgraw Hills Company, New Delhi ,
- Gupta C.B.: Introduction to Statistical Methods, Vikas Publishing House, New Delhi
- Hooda R.P. : Statistics for Business and Economics, Macmillan Business Book
- Dr. Sukhadeve Varsha S.: Modern Approach to Statistics:, Sugawa Prakashan, Pune
- Kolte S.S. : Sankhya ki Tatwa Ani Viwhar, Pimplapure and Co. , Nagpur

PartB

Syllabus prescribed for second year Postgraduate programme

Programme : Master of Commerce Semester III (NEP)

Code of the Course/Subject	Title of the Course/Subject	Total Number of Periods
M. Com-NEP-302 (DSC)	Corporate Tax Planning and Management	75

Course Outcome Students will be able to:

- Understand basic concepts of Corporate Tax.
- Computation of Tax liability of company.
- Knowledge about the capital structure of a company.
- Awareness about advanced tax payment.

Unit	Topics	
I	House Property and Deductions House Property, Profits and gains for Business/Profession, Capital gains and Income from other Sources with special reference to companies. 1.1 a) Deduction to be made in computing total Income of the company and b) Set off and carry forward losses. (Theory & Problem)	15
II	2.1 Problems on computation of total income of companies and tax liability. (Problem Only)	15
III	Tax Planning: 3.1 Tax Planning for New Business: Tax Planning with reference to location, nature and form of organization of new business. 3.2 Tax Planning and Financial Management Decisions: Tax Planning relating to capital structure decision, dividend policy, inter-corporate dividends and bonus shares. 3.3 Tax Planning and Managerial Decisions: Tax Planning in respect of owner lease, sale of assets used for scientific research, make or buy decisions, Repair, replace, renewal or renovation and shutdown or continued decisions. (Theory & Problem)	15
IV	4.1 Special Tax Provisions: Tax Provisions relating to infrastructure sector and backward areas, Tax incentives for exporters. 4.2 Introduction to Tax Management: Concept of Tax Planning, Tax avoidance and Tax evasions, Corporate Taxation and dividend tax. (Theory & Problem)	15
V	5.1 Tax payment: Tax deductions and collection at source, Advance Payment of Tax. (Theory & Problem)	15

Books Recommend:

1. Corporate Tax Planning and Management:- Dr. Ahuja G.K. and Dr. Ravi Gupta, Bharat Law House, New Delhi.
2. Corporate Tax Planning and Management:- Dr. H.C. Mehrotra and Dr. S.P.Goyal, Sahity Bhawan Publication, Agra
3. Corporate Tax Planning:- Mukta Jain and Rakesh Jain, VK Publication, New Delhi.
4. Corporate Tax Planning and Management:- Dr. Vinod K. Singhanian and Dr. Monica Singhanian, Taxmann's Publication, New Delhi
5. Corporate Tax Planning and Management:- Dr. N. W. Jaswante, Dr. S. R. Raghuwanshi, Dr. A. S. Khandekar, Dr. V.W. Jaswante, Adhar Publication, New Hanuman Nagar, Behind V. M. V. College, Amravati

Syllabus Prescribed for 2nd year post graduate programme.

Programme: Master of Commerce (NEP)

Semester: III

Code of Subject	Title of Subject	Total Numbers of Periods
M.Com-NEP-303 (DSC)	FINANCIAL INSTITUTIONS AND MARKET	75

Subject Outcomes:

The successful completion of this course shall enable the student to__

- 1) Understand the structure functions and segments of the financial system.
- 2) Know the role of the financial market in the financial system.
- 3) Understand the structure of intermediately institution system in India.
- 4) Understand the functions of regulatory institutions in the economy.
- 5) Evaluate shares & mutual funds schemes

UNIT	CONTENTS	CLASS
1	FINACIAL SYSTEM	
1.1	Indian Financial System: Meaning, Importance, Functions, Structure. & Role. Financial Institutions: Meaning, Functions, Types and Role	15
1.2	Financial Instruments: Meaning Features & Nature of Various Types of Financial Instruments	
1.3	Financial Market: Concept, Function, Segments, Importance and It's role in Indian Economy	
1.4	Financial Services: Meaning, Nature & Types of Various Financial Services	
2	FINANCIAL MARKET	
2.1	Money Market: Concept, Function, Segments, Importance & Role	15
2.2	Capital Market: : Concept, Function, Significance, Segments & Role	
2.3	Equity and Debt Market: Concept, Function, Significance, Segments & Role	
2.4	Derivatives & Foreign Exchange Market: Introduction, Meaning, Features, Market Participants	
3.	FINANCIAL INTERMEDIATORY INSTITUTIONS	
3.1	Development Banks: Overview, Objectives and Functions of NABARD, EXIM, NHB, SIDBI,	15
3.2	Commercial Banks: Meaning, Functions, Classification and Nature of Banks.	
3.3	Non- Banking Financial Companies. (NBFCs): Classification, Nature of Business	
3.4	Credit Rating & Agencies: Concept and Benefits of Credit Rating, Profile of CRICIL- ICRA- CARE and Others.	
4	FINANCIAL REGULATORY INSTITUTIONS	
4.1	Reserve Bank of India (RBI): History, Objectives and Functions	15
4.2	Securities and Exchange Board of India (SEBI): Purposes, Functions, Guidelines regarding Securities Market & Mutual Funds	
4.3	Insurance Regulatory and Development Authority (IRDA): Objectives and Functions	
4.4	Pension Fund Regulatory and Development Authority (PFRDA): Introduction, Objectives & Functions	
5	SHARE TRADING & MUTUAL FUND	
5.1	Mutual Fund: Concept Structure, Advantages, Types of Schemes, Key Terms and Overview of Latest Schemes	15
5.2	Bombay & National Stock Exchange BSE & NSE :History, Objectives Functions, Key Terms, Listing Process & Overview of Major Indexes	
5.3	Depository System In India: NSDL, CDSL, D-Mat Account,	
5.4	Share Trading and Mutual Fund Platforms: Overview of latest Applications, Sign in Process, Order Process (ZARODA, COIN , GROW and Other)	

Reference

1. E Gordon & K Natarajan: Financial Market and Institutions, Himalaya Publication House
2. Gupta S.B. :- Monitory Planning Of India
3. Khan M.Y :- Indian Financial System Theory & Practices.
4. K.B. Ingle :- Insurance & Banking

5. G.V. Kayande :- Fundamentals of Banking
6. Visit to respective websites of share trading and Mutual Funds platforms.

Part B

Program: Master of Commerce Semester III NEP

Code of the Course/Subject	Title of the Course/Subject	Total Number of Periods
M.Com.NEP-304 (DSE)	E-Commerce and Legal Security- I	45

Course outcomes:

1. Analyze the impact of E-commerce on business models and strategy.
2. Describe the major types of E-commerce.
3. Explain the processes that should be followed in building an E-commerce presence.
4. Identify the key security threats in the E-commerce environment.
5. Describe how procurement and supply chains relate to B2B E-commerce.
6. To understand Electronic Payment Systems and Unified Payment Interface System

Unit	Content	No. of Periods
I	<p>1.1 Introduction to E-Commerce: Meaning and concept; Electronic commerce versus traditional commerce; Media convergence; E-commerce and E-business; Channels of E-Commerce; Business applications of E-Commerce; Needs for E-Commerce, E-Commerce as an electronic trading system special feature.</p> <p>1.2 Internet Concepts and Technologies: Concept and evolution of internet; Web technologies- global publishing concept, universal reader concept and client-server concept, Hypertext publishing and hypertext information network, Benefits of hypertext, URLs, HTTP, HTTPD servers, HTML, HTML Forms and CGI gateway services.</p>	9
II	<p>2.1 Business to Consumer E-Commerce: Cataloguing, order planning and Order generation, cost estimation and pricing, order receipt and accounting, order selection and prioritization, order scheduling, order fulfillment and delivery, order billing and payment management; Post-sales services.</p> <p>2.2 Web-site Design: Role of website in B2C e-commerce; Website strategies and website design principles; Push and pull technologies, alternative methods of customer communication.</p>	9
III	<p>3.1 Business to Business E-Commerce: Need and alternative models of B2B e-commerce Technologies, EDI, and paperless trading; EDI architecture, EDI standards, VANs, Internet based EDI and FTP-based messaging.</p> <p>3.2 E-Business: Workflow management, mass customization and product differentiation; Organization restructuring; Integrated logistics and distribution; Knowledge management issues and role of e-commerce infrastructure..</p>	9
IV	<p>4.1 Electronic Payment Systems: Special features required in payment systems for e-commerce; Types of e-payment systems; E-cash and currency servers; e-cheques, credit cards, smart cards, electronic purses, and debit cards; Business issues and economic implications; Operational credit and legal risks of e-payment systems; Risk management options in e-payment systems; Components of an effective electronic payment system.</p> <p>4.2 Unified Payment Interface System: UPI Concept, Features, Virtual Payment Address (VPA) meaning and benefits, UPI QR code concept, how to generate UPI QR code, BHIM App. Concept and history, Features, methods of payment in BHIM, how to accept IPO mandate in BHIM.</p>	9
V	<p>5.1 Security issues in E-Commerce: Security risks of e-commerce, exposure of resources, types of threats, sources of threats, security tools and risk-management approach, e-commerce security and a rational security policy for e-commerce; Corporate Digital Library; I.T. Act 2000.</p> <p>5.2 Regulatory and Legal Framework of E-Commerce: Cyber laws- aims and salient provisions; Cyber-laws in India and their limitations; Taxation issues in e-commerce.</p>	9

BOOKS RECOMMENDED:

- 1 Agarwal, K.N. and Deeksha Agarwal: Business on the Net: What's and How's of E-Commerce: Macmillan, New Delhi.
- 2 Agarwal, K.N. and Deeksha Agarwal: Business on the Net: Bridgeto the Online storefront: Macmillan, New Delhi.
- 3 Cady, Glcc Harrab and Mcgregor Pat: Mastering the Internet, BPB Publication, New Delhi.

4 DiwanParagandSunilSharma:ElectronicCommerce-AManager’sGuidetoE-Business,VanityBooksInternational,Delhi.5Janal. D.S.:On-lineMarketingHandbook,VanNostrandReinhold,NewYork.
6 Kosivr,David:UnderstandingElectronicCommerce,MicrosoftPress,Washington.
7 MinoliandMinal:WebCommerceTechnologyHandbook,TataMcGrawHill,New Delhi.9 Schnelder.GaryP:ElectronicCommerce, CourseTechnology, Delhi.
10 Young,MargaretLevine:TheCompleteReferencetoInternet,TataMcGrawHill,NewDelhi.
11 O’BrienJ:ManagementInformationSystems,TataMcGrawHill,NewDelhi.
12 ParagDiwanandSunilSharma:E-CommerceAManager’sGuidetoE-Business;ExcelBooks,NewDelhi.13C.S.V.Murthy:E-Commerce-Concepts,Models,Strategies,HimalayaPublishingHouse.

14ElectronicCommerce-

ByBharatBhaskar,TataMcGrawHillPublication,NewDelhi.15E-

Commerce- ByBhushanDiwan, S.Chand& Co.Ltd. NewDelhi55.

16ComputerApplicationsinBusinessandBanking:ByR.S.Virmal,K.M.Gupta-UmeshPublication,5-B,NathMarket,NaiSarak- Delhi6.

CodeoftheCourse/Subj ect	TitleoftheCourse/Subject	TotalNumberofPeri ods
M.Com.NEP –304	E-CommerceandLegalSecurity- I (Practical)	30

ListofPractical’s:

1. UsingHTMLTags;Marq,List,Hyperlink,insertimageTableandonlineFormstags.ProsesofSaveHTMLdocument.
2. Prosesofonlinebuying,onlinerailway/aviationreservationbooking
3. Prosesofe-paymentsystems;E-cashandcurrencyservers;e-cheques,creditcards,smartcards,electronicpurses, anddebitcards;Operationalcreditandlegalrisksofe-paymentsystems.
4. CreateUnifiedPaymentInterface,VirtualPaymentAddress(VPA),UPIQRcode,howtogenerateUPIQRcode, methodsofpaymentinBHIM,howtoacceptIPOmandate inBHIM.

DivisionofMarksforPractical’s

RecordPreparation	10Marks
PracticalPerformance	10Marks
Viva-Voce	10Marks
Description	10Marks
PracticalTotal	40Marks

Part B

Programme: Master of Commerce (Semester: III) NEP

Code of Subject	Title of Subject	Total Numbers of Periods
M.Com-NEP- 304 (DSE)	Public Finance	75

Subject Outcomes:

The successful completion of this course shall enable the student to _____

1. Identify the Public Finance that influences the financial aspects.
2. Understand Public Expenditure and Revenue, Taxation
3. Understand the Fiscal Policies in India.
4. Understand budgetary techniques and practices
5. Understand Public Debt & Budgeting

UNIT	Contents	No. of Period
I	Introduction 1.1 Public Finance- Meaning and scope of public finance. Functions of public finance at national, state, and local levels. Planning, Objectives, Strategies. 1.2 The role of public finance in providing essential services and securing financial resources. Financial Aspects of the Plan and Financing of the Plan with Reference to the Latest Five-Year Plan	15
II	Public Expenditure:	15

	<p>2.1 Public Expenditure: Meaning, Importance, Understanding government spending. Types of public expenditure - administrative, developmental, social welfare. Criteria for public investment –social cost- benefit analysis- Project Evaluation-Estimation of costs- Discount rate.</p> <p>2.2 Canon's Effects, Classification of Public Expenditure; Wagner's Law of Public Expenditure; Public Expenditure as an Instrument of Fiscal Policy</p>	
III	<p>Public Revenue and Taxation</p> <p>3.1 Merits and Demerits of Direct and Indirect Tax Policy; Sources of government revenue - taxes, fees, sale of goods, and services. Principles of taxation. Taxation policies and their impact on the Bharat Economy.</p> <p>3.2 Role of Taxation; Features of Good Tax System; Concept of Impact, Incidence and Shifting of Taxation; Elasticity and Determination of Tax Burden Redistributive measures to address income inequality.</p>	15
IV	<p>Fiscal Policy</p> <p>4.1 Basic Concepts Fiscal Function, Fiscal Policy, Public Sector and Concept of Equity Fiscal Federalism in India, Financial issues in a Federal Set up, Centre-State Financial relations, Vertical and horizontal devolution - issues and approaches.</p> <p>4.2 Federal Finance - Concept, Principles of Federalism, Role of Finance Commission, Local Finance, Concept of Fiscal Consolidation, Fiscal Responsibility and Budget Management (FRBM), Fiscal Deficit in India 14th and 15th Finance Commission.</p>	15
V	<p>Public Debt and Budget</p> <p>5.1 Meaning and Types of Public Debt; Need, Sources and repayment, Importance, Scope, Burden of Public Debt; Economic Effects, Principles of Public Debt Management; Concepts of Deficits Revenue Deficit, Fiscal Deficit, Monetized Deficit, Primary Deficit, Surplus, Balance Budget and Budgetary Control</p> <p>5.2 Budget Meaning, Types, Revenue & Capital Budget, Revenue & Capital Expenditure, Latest Budget of the Union of India: Critical Appraisal of the Latest Budget, Federal Finance and National Income</p>	15
	Total	75

Reference Books:

1. Chand, S.N. (2008), Public Finance, Atlantic Publishers
2. Varian, H. (2010). Intermediate microeconomics: A modern approach, 8th ed. W. W. Norton.
3. Singh, S.K (2008), S. Public Finance: Theory and Practice, Chand Publishing
4. Tyagi B.P. (2016), Public Finance, Jai Prakash Nath Co. Meerat, U.P.
5. Jha, R. (1998), Modern Public Economics, Routledge, London.
6. Mithani, D. M. (1998), Modern Public Finance, Himalaya Publishing House. Mumbai.
7. Musgrave and Musgrave, (2017) Public Finance in Theory and Practice Mc Graw- Hill International Edition
8. Atkinson A.B. and J.E. Siglitz (2015). Lectures on Public Economics, Tata McGraw Hill Delhi □ J.E. Siglitz (2000). Economics of the Public Sector(third Edition)
9. Buchaman J.M. (1970), The Public Finances, Richard D.Irwin, Homewood.
10. Harvey Rosen, (2005), Public Finance, Seventh Edition, McGraw Hill Publications.
11. Kaushik Basu and Maertens (ed), (2013), The New Oxford Companion to Economics in India, Oxford University Press.
12. Sury M.M., (1990), Government Budgeting in India, Commonwealth Publishers.
13. Bhatia H.L., (2012), Public Finance, Vikas Publications.
14. Report of the Fourteenth Finance Commission, Government of India.

Programme: Master of Commerce (Semester: III) NEP

Name of the subject: **Sales & Distribution Management**

Code of Subject	Title of Subject	Total Numbers of Periods
M.Com-NEP-304 (DSE)	: Sales & Distribution Management	75

SUBJECT OUTCOMES

1. The objective of the course is to improve marketing skill and Distribution management avenues.
2. To give knowledge for strategy, planning budgeting, and forecasting of Sales.
3. This course is also guiding them how to manage inventory control system within an organization of Business Concern and Individual.

UNIT	CONTENT	PERIODS
Unit I	1.1 Sales management: Meaning, objectives, nature. Phases of evolution of Sales management. 1.2 Sales Organization: Characteristics, structure, Types and classification and importance. Sales management cycle and control. 1.3 Duties and responsibilities of General sales Manager. Steps in setting up the sales organization. 1.4 Sales forecast: meaning, objectives, sales forecast method, limitations. Market Analysis and sales planning. Marketing strategy	15
Unit II	2.1 Salesmanship: Meaning, attributes of salesmanship, essentials of good salesmanship. Merits and limitations of personal selling, 2.2 Sales territory: concept and purpose, sales territory- design criteria and process. 2.3 Sales promotion: sales promotion strategy and structure, sales promotion programme. Promotion mix, sales and brand promotion. 2.4 Management of Sales Force: Unique operating environment for sales field, sales force, Sales job analysis, Sales force recruitment. Sales Force selection process and Training.	15
Unit III	3.1 Selling Skills-Meaning, Concept, Objectives & Need 3.2 Tools and techniques for building sales relationship 3.3 Sales force motivation and compensation 3.4 Sales quotas, Selling Budget, Sales Audit and cost analysis.	15
Unit IV	4.1 Sales Distribution: Physical distribution concept and its importance,	15

	Physical distribution and coordination, physical distribution- as a total logistic system. 4.2 Distribution audit: concept, components role of intermediaries in distribution management, network planning. Strategic decision 4.3 Classification of distribution channel, design of distribution channel 4.4 Distribution channel for services, channels conflicts for services. Performance and evaluation of channel.	
Unit V	5.1 Warehousing and Inventory control: warehousing objectives and functions classification of warehouses. Order processing system. Inventory control and management 5.2 Wholesalers: wholesaling nature scope classification of wholesalers, distribution services and functions of wholesalers. Marketing strategy of wholesaler, marketing mix decisions by wholesalers 5.3 Transportation: Transportation role and modes, transportation origination and co-ordination, transportation mix and selection criteria. 5.4 Retailing: nature, scope, function and classification store and non-store retailing. Strategy to sustain competitive advantages in retailing. Franchising strategies, agreement terms of payment. Obligations of franchisers.	15

Reference Books:

1. Sales and Distribution Management: N.G.Nair, Latha Nair; Himalaya Publishing House, New Delhi
2. Sales management: Douglas J Dalrymple, William L. Corn & Thomas E. Decarlo; John Wiley & sons Inc.
3. Sales Management with personal selling & salesmanship: S.A. Chunawalla; Himalaya Publishing House, New Delhi.
4. Sales Management Decision, strategies and cases: Richard R. Still, Edward W. Cundiff & Norman A.P. Govoni; Prentice Hall of India Pvt. Ltd. New Delhi.
5. Advertising and Sales Management: S.C. Agrawal; Dhanpat Rai Publishing Co. New Delhi.
6. Sales Promotion and Advertisement Management: M.N. Mishra; Himalaya Publishing House, New Delhi.
7. Salesmanship & Sales Management: P.K.Sahu and K.C.Rout' Vikash Publishing House, Pvt. Ltd. New Delhi.
8. Advertising and sales Management: C.N. Sontakki ; Kalyani Publishing New Delhi.
Sales and Distribution Management: K. Shridhara Bhat; Himalaya

Part-B

Syllabus Prescribed for 2 Year Post Graduate Programme (NEP)

Programme: Master of Commerce II Year Semester III-NEP

Code of the Course	Title of the Course	Total Number of Periods
M.Com-NEP-304 (DSE)	Basics of Official Statistics & Demographics	75

Course Objectives:

After undergoing this syllabus the students will learn to:

1. Understand the significance, reliability, and limitations of official statistics, including their compilation, processing, and dissemination.
2. Analyze the roles and responsibilities of national statistical organizations, statistical commissions, and legal provisions supporting official statistics.
3. Interpret and utilize different types of index numbers and sector-wise statistics, including those related to agriculture, health, education, and demographics.
4. Demonstrate proficiency in population census methodologies, data collection techniques, and socio-economic indicators.
5. Apply demographic analysis techniques, including life tables and demographic profiles, to interpret population data effectively.
6. Recognize the contributions of notable statisticians and understand their theoretical foundations.
7. Evaluate the application of statistics in businesses, including predictive analysis and diagnostic tools.
8. Utilize computerized statistical software for data analysis, recognizing its advantages and limitations in practical applications.

Course outcomes:

Upon completing the Basics of Official Statistics & Demographics, students will achieve the following

outcomes to:

1. Gain a robust comprehension of official statistics, emphasizing their necessity, reliability, and constraints.
2. Explore the functions of national statistical organizations and commissions, alongside the legal frameworks underpinning official statistics.
3. Analyze sector-specific statistics, such as those pertaining to agriculture, health, and education, and their implications for socio-economic contexts.
4. Investigate population census methodologies, demographic data sources, and vital statistics in detail.
5. Acquire a deep understanding of migration concepts and population projection methodologies.
6. Cultivate analytical prowess to effectively interpret and apply statistical data for informed decision-making across diverse sectors and policy realms.

Unit	Contents	No. of Periods
Unit-I	<p>Official: National and International Official Statistical System Official Statistics: 1.1 (a) Need, Uses, Users, Reliability, Relevance, Limitations, Transparency, its visibility 1.2 (b) Compilation, Collection, Processing, Analysis and Dissemination, Agencies involved, methods 1.3 National Statistical Organization: Vision and Mission, NSSO and CSO, roles and responsibilities; Publications.</p>	15
Unit-II	<p>2.1 National Statistical Commission: Need, Constitution, its role, Functions, Legal Acts/Provisions/ Support for Official Statistics 2.2 Index Numbers: Types, Need, Data Collection Mechanism, Periodicity, Agencies involved, Uses 2.3 Sector Wise Statistics: Agriculture, Health, Education, Women, and Child, etc. Important Surveys & Census, Indicators, Agencies, and Usages. 2.4 National Accounts: Definition, Basic Concepts; issues; the Strategy of collection of Data and Release</p>	15
Unit-III	<p>3.1 Population Census: Need, Data Collected, Periodicity, Methods of data collection, dissemination, Agencies involved. 3.2 Miscellaneous.: Socio-Economic Indicators, Gender Awareness /Statistics, important Surveys and Censuses</p>	15
Unit-IV	<p>4.1 Demography and Vital Statistics: Sources of demographic data, census, registration, ad-hoc surveys, Hospital records, Demographic profiles of the Indian Census. 4.2 Complete life table and its main features, Uses of life table. Markham's and Gompertz's curves. National life tables. UN model life tables. Abridged life tables. Stable and stationary populations.</p>	15
Unit-V	<p>5.1 Contribution of statistician- Gattton, Francies Nightingale, Florence, Pearson Karl , Spearman's, Gosset, W.S. 'Student' , Wilcoxon Frank, Rao C. R. And Bayes Thomas. 5.2. Application of statistics in businesses and business growth, Predictive analysis, Diagnostic Analysis. 5.3 Theoretical bases of application of computer in statistics- Introduction of computerized statistical software, uses of statistical software advantages & Limitations of statistical software.</p>	15

BOOKS RECOMMENDED:

1. Statisticians of the Centuries C.C. Heyde (Editor), P. Crepel (Editor), S.E. Fienberg (Editor), E. Seneta (Editor), J. Gani (Editor) Springer Publication
2. The Role of Statistics in Business and Industry . Doganaksoy, G. J. Hahn, Wiley Publication
3. Computer Applications in Statistics: Elliston O. Little, McGraw-Hill Primis Custom Publishing, 1997
4. Computer Applications in statistics: Surendra B. Ghatpande, Vikas Publication Pune.
5. Computer Applications in statistics: Prof. P. G. Dixit, Prof. A. V. Rayarikar, Nirali Prakashan
6. Statistics: Theory and Practice: S.P. Singh, S Chand & Co. New Delhi
7. <https://mospi.gov.in/142-present-indian-statistical-system-organisation>
8. <https://www.cso.ie/en/aboutus/>

9. https://books.google.co.in/books?id=pDiBhAFdzoMC&q=inauthor:+India.+Central+Statistical+Organisation&dq=inauthor:+India.+Central+Statistical+Organisation&hl=en&newbks=1&newbks_redir=0&sa=X&ved=2ahUKEwiV1PTUuIOGAxU3bfUHHRkOCyYQ6wF6BAgJEAE
10. https://books.google.co.in/books?id=H6oUAQAAMAAJ&q=inauthor:+India.+Central+Statistical+Organisation&dq=inauthor:+India.+Central+Statistical+Organisation&hl=en&newbks=1&newbks_redir=0&sa=X&ved=2ahUKEwiV1PTUuIOGAxU3bfUHHRkOCyYQ6AF6BAgEEAI
11. <https://www.mospi.gov.in/publication/national-accounts-statistics-2024>