Shiksha Mandal's

G. S. College of Commerce & Economics, Nagpur NAAC Accredited "A" Grade Autonomous Institution

Syllabus for the Course of BACHELOR OF COMMERCE (COMPUTER APPLICATION) w.e.f. 2020-2021

	BACHELOR OF COMMERCE (COMPUTER APPLICATION) [B.C.C.A.]
A.	PROGRAMME OUTCOMES
	After completing three years of B.Com. (Computer Application) programme, students are expected to
PO-1	Gain fundamental as well as advance knowledge of all the key and broad concepts in the field of
	Information Technology and Computer Application in general and the main domains of
	Commerce, Accountancy and Statistics, Business Management and Administration, Economics,
	and Business Communication in particular through various core, elective and skill-foundation
	courses including value-addition courses.
PO-2	Acquire and develop basic and advance skills in computer application and information
	technology for business such as accounting software like Tally.ERP 9.0, management
	information systems, database management systems, programming languages, web designing
	etc. in order to develop into professionals in different fields of Information Technology and
	apply these IT skills for the promotion of Industry and business.
PO-3	Be able to use and apply their knowledge and skills to find effective solutions to real life
	situations and challenges and take effective decisions.
PO-4	Be capable of gaining employment in public and private sectors by virtue of their knowledge
	and skills acquired during the course of graduation.
PO-5	Be competent to serve in various industries and sectors especially in the field of information
	technology, banking and insurance sectors, finance companies, logistical services etc. in various
	positions viz. system administrator, network system and data analyst, database administrator,
DO (chief information officer etc.
PO-6	Be capable of self-employment or venturing into a start-up by virtue of course in entrepreneurship development
PO-7	Have a solid foundation to build a larger corpus of knowledge through higher studies including
	post-graduation and research not only in the field of Commerce and Information Technology but
	also in other areas owing to the inter-disciplinary approach and study of Open and Generic
	Electives.
В.	PROGRAMME-SPECIFIC OUTCOMES
DCO 1	After completing three years of B.Com. (Computer Application) programme, students would
PSO-1	Have proficiency in the basic and advanced knowledge of the core information technology subjects viz. Programming in C, C++ & C#, VB.NET, Core Java, Advanced Java and Android,
	Python, Dynamic Web Designing, Database Management Systems and Oracle, Operating
	Systems and Computer Hardware and Networking Commerce as well as the core Commerce
	subjects of Accountancy, Business Economics, Business Laws, Taxation, Indian Financial
	Systems etc.
PSO-2	Have proficiency in various Discipline-specific and Generic Electives of their choices and
- 2	interests.
PSO-3	Have specialized knowledge of Programming Languages, Database Management Systems,
	Management Information Systems, Web designing and key areas of Financial Accountancy,
	Management Accountancy, Cost Accountancy, Economics, Business Laws, Corporate Law and
	Secretarial Practices and Taxation.
PSO-4	Have specialized knowledge of E-commerce, Indian Banking and Insurance System,
PSO-4	
PSO-4	Have specialized knowledge of E-commerce, Indian Banking and Insurance System,
	Have specialized knowledge of E-commerce, Indian Banking and Insurance System, International Trade and Business Administration, Security Analysis and Portfolio Management,

	Commerce.			
PSO-7	Have exposure to Gandhian Economics, Econometrics, Intellectual Property Rights, E-			
	Governance, Constitution of India, Public Administration etc. through Electives leading to			
	holistic development through an interdisciplinary approach.			
PSO-8	_	nations by doing an Elective Course on Quantitative Aptitude		
	and Logical Reasoning.			
PSO-9		ication and data analytical skills in business decisions making.		
PSO-10		ics and corporate culture and corporate governance.		
C.	COURSE OUTCOMES			
	Course	Outcomes		
1.	English Language Skills	Students will able to develop competence and proficiency in		
		English Language by studying relevant and motivating prose		
		texts, Business Communication and Correspondence skills,		
		Grammar skills and Vocabulary.		
2.	Financial Accounting	Students will be able to understand the fundamentals of		
		Accounting and the process of preparation of accounts as per		
		the need of business organization.		
3.	Economics	Students will be able to relate the concepts and theories of		
		Economics with the real world and its practical application in		
		business.		
4.	Programing in C	Students will be able to work on enterprise applications,		
	1/5/	games, graphics, and applications requiring calculations, etc		
	/rG	by learning C language. Students would able to design and		
		develop Operating Systems like Windows, Linux etc.		
5.	Information System and	Students will be able to get benefit of keeping appropriate data		
	Information Technology	about each user's task in a format best suited to that user and		
	1.16	can do any task effectively and efficiently in a suitable format.		
6.	Mathematics Students will be able to get detailed understanding of var			
		aspects of data collection and tabulation, learn application of		
		measures of central tendency and get acquainted with the		
		practical application of index number and to understand		
_		practical applications of business mathematics.		
7.	Operating System and Student would able to get the knowledge of Operating Sys			
	Computer Hardware and	and Computer Hardware & Network connected peripheral		
	Networking	devices like printers, scanners and copiers or sharing of		
8.	Programing in C++	system and application software between multiple users.		
0.	1 Togrammig III CTT	Student can develop interest in areas where C++ is popularly used i.e. Operating Systems, Libraries, Graphics, Banking		
		Applications, Databases, Embedded Systems, Compilers.		
9.	Business Ethics and	Students will be able to understand the concept of ethics in		
· ·	Corporate Culture	business and their importance and develop acceptable attitudes		
	and viewpoints with respect to business ethics			
		responsibility.		
10.	Cost Accounting	Students will be able to understand the fundamentals of Cost		
	- Contractoring	Accounting and the process of preparation of cost accounts		
		and statement to arrive at cost of product as well as to know		
		the amount of profit.		
		me minosite of profite		

11.	Company Law and	Students will be able to understand the process of formation
-	Secretarial Practice	and incorporation of company in India; the framework of
		Memorandum of Association and Article of Association and
		Prospectus. Also learn about the concept of Share Capital,
		Shareholders, Members, Role of a Managing Director and
		meetings of companies.
12.	Web Designing and HTML	Students will be able to create web pages which can be
	,, o., _ o., gg	understood by any web browsers.
13.	Programing in C#	Students would able to develop native windows applications,
		mobile apps, websites, games and even native Android or iOS
		apps by learning of C# with some additional frameworks like
		Xamarin or Mono.
14.	MIS and System Analysis	Students would be able to know the current status of
		organization at a glance through Management Information
		System & System Analysis in order to improve the quality of
		decisions.
15.	Computer Application in	Students will be able to use of MS Word, MS Power point and
	Business	MS Excel Software in business, computerized accounting with
		the Tally accounting software, E-filing procedures of Direct
		Taxes and E-compliances of Indirect Taxes.
16.	Management Accounting	Students will understand fundamentals of Management
	3/6	Accounting and practical knowledge about various tools of
	75	management accounting for taking managerial decisions.
17.	Business Law	Students will be able to demonstrate an understanding of
	E	Legal Environment of Business in Indian scenario, apply basic
	一世代	legal knowledge to business transactions and communicate
	1/20	effectively using standard business and legal terminology.
18.	VB.NET	Students can create wide range of applications like console-
		based applications, window-based applications, window
		services web application, web services etc.
19.	Dynamic Web Designing	Students can present dynamic web content on web browsers
	(PHP and My SQL)	for the personal and professional users.
20.	Database Management	Students can manage the database by DBMS & Oracle used
	System and Oracles	for running Online Transactions Processing (OLTP), Data
		Warehousing (DW) and mixed database workload. Students
		can store and retrieve related information.
21.	Environmental Studies	Students will be able to understand the concept of Ecosystems
		and Environment, the concept of biodiversity and its
		conservation and environmental pollution.
22.	Auditing and Corporate	Students will be able to understand mechanisms of Corporate
	Governance	Governance, role of Board of Directors in Corporate
		Governance and corporate Governance in Indian context.
23.	Indian Financial System	Students will be able to understand the concept of money
		markets, capital markets and various instruments of money
		and capital markets, instruments of global capital markets,
		financial markets and the meaning and working of derivative
		market in India.

24.	Core Java	Students would able to design application software for both
47.	Colc Java	desktop and web applications.
25.	Dython	Students can create and learn Console application, Desktop
25.	Python	**
		application, web development, Machine learning, Internet of
		Things (IOT) applications, system scripting. Students can
	!	connect to database system so that they can handle big data
		and perform complex mathematics.
26.	Indian Banking and	Student will be able to understand, the principles of borrowing
	Insurance System	and lending, Internet banking and concepts of insurance.
27.	International Trade and	Students will be able to Explain the concepts in international
	Business Administration	business with respect to foreign trade/international business
		and Administration.
28.	Human Resource	Students would be able to build understanding about the
	Management	aspects of managing Human Resources in an organisation.
29.	Entrepreneurship	Students will be able to understand historical evolution of
	Development	entrepreneurship, various entrepreneurship trends, procedures
		of opportunity scouting and idea generation, the concept, need,
		problems of Rural entrepreneurship and measures to develop
		the same.
30.	Quantitative aptitude and	Student will be able to understand concept of ratio and
	Logical reasoning	proportion, concept of interest and logical reasoning.
31.	Econometrics	Students would be able to develop clarity on application of
	15/	statistical techniques to analyses and solve economic issues.
	一世	Students would build an attitude towards the applicability of
	1	statistical techniques to various economic issues to evolve
	作的	with a concrete solution.
32	E-Governance	Student will be able to understand compliance norms of e-
		governance related to tax filings, GST filings and companies
		and LLP.
33.	Introduction to Travel and	Student will be able to understand tourism development and
	Tourism	impact of tourism and rural tourism and other related aspects.
34.	Corporate Tax Planning	Student will be able to understand the provisions of direct
34.	corporate Tax Finning	taxes relating to corporate tax, application of tax provisions in
		respect of tax planning considerations relating to companies.
35.	Adv.Java and Android	Students can learn simplified mobile app development
33.	Auv.sava and Android	process. Students can also create custom mobile apps that
	!	solve customer problems and increase value for their business.
36.	ASP.NET	Students can get help to create web pages and web
30.	ASF.NEI	
		technologies like amazon.com, ebay.com and many other
27	Consuity Analysis s-3	popular web sites by using ASP. NET as the framework.
37.	Security Analysis and	Students will be able to understand risk & return analysis,
	Portfolio Management	share valuation and portfolio Management through application
20		of Various Models.
38.	Goods and Service Tax	Student will be able to understand the concept of charge and
		levy of Goods and Service Tax and computation of tax
		liability of Goods and Service Tax.
39.	Industrial and Labor Law	Student will be able to understand functioning of factories and

		industries, compensation Laws and Union Laws.		
40.	E-Commerce	Student will be able to understand the concepts of E-		
		Commerce & E-Business, basic requirements of E-Commerce		
		and use of digital payment systems.		
41.	Gandhian Economics	Students would be acquainted with the understanding about		
		the various aspects of socio-economic principles of Gandhian		
		ideology related to Economics and the implications of		
		Gandhian Economics with respect to Indian Economy.		
42.	Introduction to Public	Student will be able to understand functioning of Public		
	Administration	Administrative Authorities, the Concept of Democratic		
		Governance and functioning of Parliament.		
43.	Intellectual property Rights	Student will be able to understand the concept of Intellectual		
		Property Rights, functioning of Patents and concepts of		
		Copyright and Trademarks		
44.	Constitution of India and	Student will be able to understand the basics of the		
	Human Rights	Constitution, Citizenship Rights and Human Rights		
45	Project	Students would be able to gain practical knowledge through		
		exposure to different problems and are expected to find		
		solutions through project work on any given idea/topic.		
		Students would be able to understand which programming		
	~ &	language is handy for them to make their project easier. Live		
	167	projects will allow students to gain valuable work experience		
	765 /	during study.		

SEMESTER I

English Language Skills (BCCAL 1.E)				
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core	

Objectives:

- 1. Introducing great Entrepreneurs
- 2. Developing Communication Skills
- 3. Developing Grammar and Vocabulary Components

Learning Outcome:

Unit I - The objective of implementing great entrepreneurs was achieved by introducing 6 best entrepreneurs of the world. The biographical sketches of the entrepreneurs from the book- 'Modern Trailblazers' was very interesting and motivating for the students, especially of commerce background. The objective was to make the students aware of the qualities like enterprising attitude, hard work, integrity, creativity etc needed for a great entrepreneur. The BoS approved the text and the students too loved it.

Unit II- The objective of Developing Communication Skills was achieved by introducing the students to basic communication theory, methods of communication etc. The students appreciated the knowledge of basic skills of communication

Unit III- The objective for introducing Grammar was to enhance the skills of Language learning, which was achieved by implementing grammar concepts.

Unit IV – The objective of implementing Vocabulary was to enhance language skills of students.

Unit	Contents	
I	Great Entrepreneurs Akio Morita, Dhirubhai Ambani, Louis Braille, Rahul Bajaj, Ratan Tata, Steve Jobs	
II		

III	Grammar
	 Parts of Speech Types of Sentences Tenses Transformation of Sentences- Interrogative-Assertive; Affirmative-Negative; Exclamatory-Assertive Question tag;
	Inter-change of Degree etc.
IV	 Vocabulary Formation of words: Primary words, compound words, primary derivatives, secondary derivatives (Pre-fixes/suffixes) Formation of nouns from verbs/adjectives; adjectives from nouns/verbs

- 1. Unit I Prescribed Text-Book 'Modern Trailblazers' Eds- A.Dhote & H.Dhote, Published by- Orient Blackswan.
- 2. Unit II Developing Communication Skills Krishna Mohan & Meera Banerji (Macmillan), R.C.Sharma & Krishna Mohan
- 3. Unit III -High School English Grammar & Composition- Wren & Martin Revised & Edited by N.D.V. Prasada Rao (S.Chand)
- 4. Unit IV -English Vocabulary in Use- Michael McCarthy & Felicity O'Dell, English Vocabulary- N.D.V. Prasada Rao
- 5. Unit IV- Macmillan Foundation English, R. K. Dwivedi, Macmillan Publisher.

SEMESTER I

Financial Accounting - I (BCCAC 1.1)				
Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Core				
Objective: The objective of this paper is to help students to acquire conceptual				
knowledge of the financial accounting and to impart skills for recording various kinds of				
business transactions.				

- 1. To understand the fundamentals of Accounting
- 2. To understand the process of preparation of final accounts of sole trading concern
- 3. To get acquainted with concept and process of joint venture accounts
- 4. The students would be coherent with the concept of depreciation.

Unit	Contents
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I	Basics of Accounting:
	Theory: Meaning and scope of Accounting, Need, Development & Definition of accounting, Branches of accounting and Principles, Concepts and Conventions of accounting, Journal Entries of Transactions, Ledgers and Trial Balance
	Practical Problems: Preparation of Journal, Leaders and Trial Balance
II	Final Accounts of Sole Traders:
	Theory: Meaning of Final Account, Characteristics and Format of Trading A/c, Profit and Loss A/c and Balance Sheet, Meaning and nature of Adjustment.
	Practical Problems: Preparation of Trading A/c, Profit and Loss A/c and Balance sheet from Trail balance and Adjustments
III	Joint Venture:
	Theory: Meaning of Joint Venture, Characteristics of Joint Venture, Advantages and Disadvantages of Joint Venture, Methods of Joint Ventures, Distinction between Joint Venture and Partnership.
	Practical Problems: Preparation of various accounts as per Centralized Method and Decentralized Method of Joint Venture.
IV	Depreciation:
	Theory: Meaning of Depreciation, Nature, Characteristics and Advantages of Depreciation, Need of Depreciation, Various Methods of charging Depreciation (i) Straight line method ii) Reducing balance method iii) Annuity method iv) Depreciation fund method
	v) Depreciation fund insurance policy method.
	Practical Problems: Preparation of Depreciation A/c, Machinery A/c under: (i) Straight line method ii)Reducing balance method iii) Annuity method iv)Depreciation fund method
	v) Depreciation fund insurance policy method.

- 1. Financial Accounting, Paul, S. K, New Central Book Agency
- 2. Financial Accounting For Managers- Ghosh, T. P. Taxman Allied Service
- 3. Financial Accounting Dr.V.K.Goyal, Excel Books
- 4. Financial Accounting Jain S.P., Narang K.L., Kalyani Publishers, Delhi.
- 5. Financial Accounting- Grewal, Shukla, S. Chand Publications, Delhi

SEMESTER I

Business Economics (BCCAC 1.2)				
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core	
Objective: The objective of this paper is to help students to acquire conceptual				
knowledge of the Micro Economics.				

Learning Outcome:

Students would be able to relate the concepts and theories of economics with the real world and its practical application in business.

By the end of the Semester, students will be able to analyze and predict consumption and production behavior.

Unit	Contents
I	Foundation of Business Economics
	1. Business Economics – meaning, nature, scope
	2. Micro & Macro economic analysis - meaning, merits and
	demerits
	3. Utility – Concept of utility, Law of equi-marginal utility & law of
	diminishing utility
	4. Indifference Curve Analysis: Concept, definition, Properties,
	Indifference Map, Consumer's equilibrium
II	Demand - Elasticity of demand & demand forecasting
	1. Demand – Law of demand with exceptions
	2. Methods of measurement of elasticity of demand
	3. Meaning, importance & techniques of demand forecasting
	4. Concept of demand estimation
III	Theory of production, cost & revenue
	 Production Function: Concept, assumptions, Cobb & Douglas Production function
	2. Law of variable proportion (Short Run); Law of returns to scale (Long Run)
	3. Costing Concepts, types of costs
	4. Concepts of revenue, types of revenue
IV	Market Structure
	1. Market: Meaning, features, classification
	Perfect Competition: Concept of firm & Industry, meaning & features
	of perfect competition, Equilibrium of firm & industry.

- 2. Monopoly: Meaning, features, Price & profit determination, price discrimination: Concept, types, and conditions for price discrimination to be profitable.
- 3. Monopolistic Competition: Meaning, features, price and profit determination.
- 4. Oligopoly: Meaning, features, types, Kinked demand curve

- 1. **Principles of Microeconomics 2/e,** D. Salvatore, Oxford University Press.
- 2. **Managerial Economics,** Mark Hirschey, Thomson.
- 3. **Microeconomics for Management Students,** R. H Dholkia and A.N. Oza, Sultan Chand, New Delhi

SEMESTER I

Programming in C (BCCAC 1.3)					
Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Core					
Objectives: It is basic programming language to improve the background for certain classes of Programming problems.					

- Students can get help to work on enterprise applications, games, graphics, and applications requiring calculations, etc by learning of C language
- Student would learn easily this language because it is smallest one as compared with the other similar computer languages.
- Students would able to design and develop Operating Systems like Windows, Linux etc.

Unit	Contents		
I	Data Types, Operators and some statements: Identifiers and		
	keywords, Constants, C Operators, Type Conversion. Writing a		
	Program in C: Variable declaration, Statements, Simple C Programs,		
	Simple Input Statements, Simple Output Statements, and Features of		
	stdio.h. Control Statements: Conditional Expressions, Loop		
	Statements, Breaking control statements.		
II	Function and Program Structures: Introduction, Defining a		
	Function, Return Statement, Types of Functions, Actual & Formal		
	Arguments, Local & Global Variables, Multifunction Program, and The		
	Scope of Variables, Recursive Function, and ANSI Function Slandered.		

	Arrays: Array Notation, Array Declaration, Array			
	Initialization, Processing with Arrays, Arrays and Functions,			
	Multidimensional Array, Character Array.			
III	Pointers: Pointer Declaration, Pointer Arithmetic, Pointers and			
	Functions, Pointers and Arrays, Pointer and Strings, Array of Pointers,			
	Pointers to Pointers. More on Functions: Pre-processors, Macros,			
	Header Files, standard Functions.			
IV	Structures, unions and Bit Fields: Declaration of Structure,			
	Initializing a Structure, Functions and Structures, Array of Structure,			
	Arrays within Structure, Structure within structure, Pointer and			
	?Structure, Union, Bit Fields, Typedef Enumerations. Data File			
	Operations: Review of input/output Functions, Opening and Closing			
	of files, Simple File Operation, Structures and File Operation, Block			
	Read/Write, More on File operations, Low level File operations,			
	Random Access File processing.			

- 1. C in Depth, S. K. Shrivastava & Dipali Srivastava, BPB Publication, New Delhi
- 2. **Programming in ANSI C**, E. Balaguruswami, Tata McGraw-Hill, New Delhi.
- 3. **Programming in C,** R Subburaj, Vikash Publishing House Pvt. Ltd.n New Delhi
- 4. Let Us C (9th Edition) Yashwant Kanetkar BPB Publication, New Delhi.
- 5. Mastering C- Veugopal Prasad, Tata McGraw-Hill, New Delhi.
- 6. The Complete Reference C- Schildt, Tata McGraw-Hill, New Delhi

SEMESTER I

Information System and Information Technology (BCCAC 1.4)					
Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Core					
Objectives: Information System and Software Package is a Combination of Basic					
computer So software and Hardware with Internet basics. It improves office					
productivity, document man agement with Software Packages.					

- Information System & Information Technology always beneficial for students to keep appropriate data about each user's tasks in a format best suited to that user.
- Student can do any task effectively and efficiently in the suitable format.

Unit	Contents

I	Computers:-Basic Organization of Computer, Generation of Computer, Classification of Computer, Number System, Processor & Memory:- Types of Processor, Memory Structure, Basic Processor & Memory architecture of Computer System, Primary & Secondary Input, Output Devices.
II	Computer Software and Hardware:- Introduction, Types of Software & Hardware, Relationship between hardware, System Software & user, Computer languages:- Introduction, types, Translator, Linker, Loader, Assembler, Compiler, Interpreter. Internet:- Introduction, Evaluation & basic services of Internet, Uses of Internet, Search Engine, Introduction to Virus and its types.
III	Microsoft Word and Excel 2016:- Introduction to Ms-Office 2016, Installation of Ms-Office 2016, Ms-Word:-Introduction to Ms-Word, Working with toolbars & ribbons, Parts of Ms-Word Window, Inserting Tables, Mail-merge, Macros, Templates. Ms-Excel:- Introduction to Ms-Excel:- Introduction to Ms-Excel:- Introduction to Ms-Excel, Elements of Ms-Excel workbook, Navigation, Entering & Editing, Formatting cells, Formula and Functions, Vlookup, Hlookup, Data Sorting, Conditional Formatting, Filtering, Goal Seek, Tables, Views, Charts, Linking, Data Consolidation, Pivot Table.
IV	Microsoft PowerPoint and Access 2016:- Introduction to Ms-PowerPoint, Insertion, deletion, Copying Slides, Slide numbering, Header &Footer, Different Layouts, Master Slide, Inserting Tables, Sounds, Charts, Different Objects, Animation, Slide Transition. Ms-Access:- Introduction to Database, Parts of an Access Window, Creating new Database, Relationships, Query, Forms, Reports, Macros, Modules.

- 1. **Computer Fundamentals**, P. K. Sinha, BPB Publication, New Delhi
- 2. **A First Course In Computers**, Sanjay Saxena, Vikash Publishing House Pvt. Ltd. New Delhi
- 3. **I.T. Today**, Encyclopedia, S. Jaiswal, Galgotia Publications, New Delhi

SEMESTER I

Mathematics (BCCASFC 1.0)						
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Foundat		Skill	
Objectives. The chiestics of this course is to familiaries at adopte with the conditations of						

Objective: The objective of this course is to familiarize students with the applications of mathematics and statistical techniques in business decision-making.

Learning Outcome:

- 1. To get detailed understanding of various aspects of data collection and tabulation.
- 2. To understand and learn application of measures of central tendency.
- 3. To get acquainted with the practical application of index number and index number
- 4. To understand practical applications of business mathematics

Unit	Contents		
I	Number Systems and its various conversion methods		
II	Simple & Compound Interest, Measures of Central Tendency, Measures of Dispersion		
III	Percentages, Profit, Loss and Discount, Ratio, Proportion and Variations, Partnership, Probability		
IV	Time and Work, Time, Speed and Distance, Circular motion, Permitation and Combination, Height and Distance, Data Interpretation		

Books Recommended:

- 1. **Business Management and Statistics, N** G Das J K Das, Tata McGraw Hill, New Delhi
- 2. **Business Mathematics**, Mrintunjay Kumar, Vikas Publishing House Pvt. Ltd, New Delhi.
- 3. Mathematics & Statistics, Ajay Goel, Alka Goel, Taxmann, New Delhi.
- 4. **Principals of Mathematical Analysis**, Walter Rudin, Tata McGraw-Hill, New Delhi.
- 5. **Business Mathematics and Statistics**, Dr. S. R. Arora, Dr. Kavita Gupta, Taxmann, New Delhi
- 6. **Quantitative Aptitude**, Arun Sharma, Tata McGraw-Hill, New Delhi.

SEMESTER II

English Language Skills (BCCAL 2.E)						
Teaching Hours: 4	Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Core					

Objectives:

- 1. Introducing great Economic Thinkers
- 2. Developing knowledge of business communication
- 3. Developing Grammar and Vocabulary Components

Learning Outcome:

- The objective of implementing great Economic Thinkers was achieved by introducing 6 outstanding economic thinkers of the world. The economic principlespropagated by the great thinkers taken from the book- 'The Great Economic Thinkers' was very interesting and motivating for the students as they learnt the valuable economic theories which are relevant today.
- The objective of Developing Business Correspondence Skills was achieved by introducing the students to different types of Business letters and Inter-office correspondence. The students appreciated the knowledge of basic skills of formal letter writing.
- Unit III- The objective for introducing Grammar was to enhance the skills of Language learning, which was achieved by implementing grammar concepts.

Unit IV – The objective of implementing Vocabulary was to enhance language skills of students.

Unit	Contents
I	Great Economic Thinkers
	Adam Smith, David Ricardo, John Stuart Mill, Karl Marx, John Keynes, Amartya Sen (6)
	(Only Selected portion of Marked Text of each Economic Thinker from the book 'The Great Economic Thinkers' by Jonathan Conlin is prescribed for study)
II	Business Correspondence:
	Application for Job
	Preparing Bio-data
	 Letter of enquiry/Reply to enquiry
	 Order letter/Reply to Order letter
	Complaint (Claims) Letter
	Internal Communication
	(Memorandum, Office Order, Office Circular, Office Note,
	Correspondence with Branch Offices)
III	Grammar
	Active/Passive voice
	Direct/Indirect Narration
IV	Vocabulary
	 Synonyms, Antonyms, homonyms (Homographs/homophones), look-alikes, one word substitution etc.

Idioms and phrases

Books Recommended:

- 1. Unit I Reference book- 'The Great Economic Thinkers' Edited by Jonathon Conlin.
- 2. Unit II –Reference books: Business Communication Urmila Rai, S.M. Rai (Himalaya Publishing House) & V.K.Jain & Omprakash Biyani (S. Chand)
- 3. Unit II Business Correspondence and Report Writing R.C. Sharma & Krishna Mohan (Tata McGraw-Hill)
- 4. Unit II Developing Communication Skills R.C.Sharma, Krishna Mohan & Krishna Mohan, Meera Banerji (Macmillan)
- 5. Unit III- High School English Grammar & Composition– Wren & Martin Revised & Edited by N.D.V. Prasada Rao (S.Chand)
- 6. Unit IV English Vocabulary in Use- N.D.V.Prasad Rao, Objective English by Pearson, Michael McCarthy & Felicity O'Dell, Macmillan Foundation English, (Macmillan)

SEMESTER II

Financial Accounting II (BCCAC 2.1)						
Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Core						
Objectives: To give the knowledge about the preparation of various accounts and their						
practical utilization						

- To understand the process of preparation of final accounts of co-operative society
- 2. To understand the practical aspects of issue, forfeiture and re-issue of shares
- 3. To get in-depth understanding of departmental account
- 4. To understand the practical aspects of consignment accounts

Unit	Contents	
I	Final Accounts of Co-Operative Society:	
	Theory: Meaning and Introduction of Co-operative Society, Characteristics of and Usefulness of Co-operative Society, Limitations of Co-operative society, Types of Co-operative Society, Meaning, Format and Characteristics Profit and Loss Appropriation A/c.	
	Practical Problems: Preparation of Trading A/c, Profit and Loss A/c, Profit and Loss Appropriation A/c and Balance sheet As per Maharashtra Co-operative Society Act, 1960.	
II	Issue and Forfeiture and Re-issue of Shares:	
	Theory: Introduction of Company, Types of Company, types of share	

	capital, Meaning and Methods of Issue of Shares, Meaning of Application, Allotment and Call on shares, Meaning of Forfeiture of shares and Re-issue of Forfeited shares
	Practical Problems: Preparation Journal in the books of Company with the effect of Issuing shares at Par, Premium and Discount, Prorata method, Forfeiture of Shares and Re-issue of Forfeited Shares
III	Departmental Accounts:
	Theory: Meaning of Departmental Account, Need and Objectives of Departmental Accounting, Nature of Departmental Accounting, Advantages and Disadvantages of Departmental Accounting, Difference between Departments and Branches.
	Practical Problems: Preparation of Trading A/c, Profit and Loss A/c and Balance sheet by allocating the Joint Expenses among the various Departments.
IV	Consignment Account:
	Theory: Introduction and Meaning of Consignment, Objectives of Consignment, Advantages and Disadvantages of Consignment, Difference between Consignment and Sale, Difference Between Consignment and Joint Venture, Role of Consigner and Consignee, Types of Various Commissions paid by Consigner to Consignee. Practical Problems: Preparation Journal and Ledgers in the books of Consigner and Consignee including invoice method, Calculation of loss on damaged goods and valuation of Closing Stock.

- 1. Financial Accounting, Paul, S. K, New Central Book Agency
- 2. **Financial Accounting For Managers** Ghosh, T. P. Taxman Allied Service
- 3. Financial Accounting Dr.V.K.Goyal, Excel Books
- 4. **Financial Accounting** Jain S.P., Narang K.L., Kalyani Publishers, Delhi.
- 5. Financial Accounting- Grewal, Shukla, S. Chand Publications, Delhi

SEMESTER II

	Monetary Econor	mics (BCCAC 2.2)	
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objective: The objective of this course is to apply the basic theories of economics in			
critical thinking and problem solving.			

Learning Outcome:

Students would be acquainted with an understanding of the significance and role of

RBI and Commercial Banks in the development of economy.

By the end of the Semester students will be able to know how changes in money supply can lead to economic fluctuations in a dynamic economic system.

Students would be able to understand the policies and measures undertaken by the RBI for the regulation of money & in turn controlling the money induced economic issues/irregularities in the economy.

Unit	Contents
I	Money Evolution
	1. Meaning, Definition, Stages of Evolution of Money
	2. Nature and Functions of Money
	3. Paper Currency: Concept, merits and demerits
	4. Methods of Note Issue- Fixed Fiduciary Method, Proportionate Reserve Method, Minimum Reserve Method: Concept, merits & demerits
II	Commercial Banks:
	1. Meaning & Importance of Commercial Banks
	2. Functions of Commercial Banks
	3. Credit Creation by Commercial Banks
	नागपर र
III	4. Principles of Sound Banking System
111	National Income & Economic Issues:
	1. National Income: Meaning, Methods of Calculation
	 Inflation- Meaning, Nature, Causes, Effects, Remedies, Types of inflation
	3. Deflation - Meaning, Nature, Causes, Effects, Remedies
	4. Trade cycle: Concept, features, phases
IV	RBI & Money Market
	1. History, Meaning & Functions of Central Bank
	2. Importance of Monetary Policy
	3. Methods of Credit Control by Central Bank
	Money Market: Concept, Objectives, importance
Books Reco	ommended:

- 1. Monetary Economics, RR Paul, Kalyani Publishers, New Delhi.
- 2. **Money,Banking,Trade & Public Finance,** M.V.Vaish, New Age International Pvt.Ltd, New delhi.
- 3. **Money, Banking and International Trade**, K.P.M. Sundaram , Sultan Chand, New Delhi.
- 4. Public Finance, Tyagi & Jai Prakash, Nath Publishers, Kolkata
- 5. Money and Financial System, P.K. Deshmukh, PhadkePrakashan, Kolhapur
- 6. Principles of Economics, H.L Ahuja, S Chand Publication, New Delhi

SEMESTER II

Operation System and Computer Hardware & Networking (BCCAC 2.3)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objectives: Operating System is interface between the hardware's resources which			
ide the processors, memory, data storage and I/O devices. It understands basic concept			
ructure of c computer hardware & networking.			

Learning Outcome:

• Student would able to get the knowledge of Operating System and Computer Hardware &Network connected peripheral devices like printers, scanners and copiers or sharing of system and application software between multiple users.

Unit	Contents
I	DOS & Windows
	DOS – Introduction booting procedure, types simple batch, multiprogramming, time sharing, parallel system, distributed system, real time system, multiprocessing, DOS Commands: Internal & External Commands.
	Windows 10: - Introduction, Functions, Customize setting, use of control panel.
II	Linux
	Introduction to Linux, uses. File Handling Commands - ls, pwd, vim, cp,mv, rm, find; history; pattern; text processing – cut, echo, wget, grep, wc, sort, linux, file permission, system administration – chnode, chown, su, password, who; process Management commands – ps, kill, Archival commands - tarzip, unzip

III	Computer Hardware
	Introduction about Computer: Basics of computer, Organization of computer, Software and hardware. Input/output devices: Motherboard, Types of Motherboard, SMPS, troubleshooting. Inside the PC: Opening the PC and identification, Study of different blocks, Assembling and dissembling.
IV	Networking: Network basic and configuration: Setting IP addresses, Sharing files and folders. Network troubleshooting, PING test, ipconfig etc, Types of servers: Introduction to server, Files servers, Email Servers, Proxy servers etc. Network Security, Network topologies, Network Types: LAN, WAN, MAN & PAN Networking Model: The OSI model, TCP/ IP Model. Introduction to various networking devices: Routers, Switches, Modems, Hubs etc. Wired and Wireless technology, Basics of Internet and Intranet

- 1. **Operating System Concept**, Silberschatz, Galvin & Gagne, John Willey & Sons Inc, Haboken, NJ
- 2. The UNIX Programming Environment, Kernighan & Pike, PHI, London
- 3. **Linux: The Complete Reference (Sixth Edition)**, Richard Petersen, McGraw Hill, New delhi
- 4. **The Complete Reference,** PC Hardware- Craig Zacker John Rourke, Mcgraw Hill, New Delhi
- 5. **Cisco Networks**, Christopher Carthern, William Wilson, Noel Rivera, Richard Bedwell
- 6. Computer Networks, Fourth Edition, Andrew S., Tanebaum

SEMESTER II

Programming in C ++ (BCCAC 2.4)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objectives: C++ improves C with object-oriented features. It is a general-purpose			
Pogramming language which is regarded as a middle-level language, as it comprises			
a combination of b both high-level and low-level language features.			

Learning Outcome:

Student can get their interest in some areaswhere C++ is popularly used i.e.
 Operating Systems, Libraries, Graphics, Banking Applications, Databases,
 Embedded Systems, Compilers.

Unit	Contents
I	Introduction to Object Oriented Programming:- What is OOP, Structured, Procedural Programming, Basic concepts of OOPS, Advantages of OOPs, Disadvantages of OOPs, Applications of OOPS, Comparison of PPL & OOP, Steps in developing OOPs Programs, Token:- Keywords, Identifier and Constants, Data type, Symbolic Constant, Variables, Dynamic initialization of variables, Operators in C++, Scope resolution Operator, Memory Dereferencing Operator, Memory Management Operator, Manipulator, Functions in C++:- Main(), Function Prototyping, Call by Reference, Return by reference, Inline Function, Default Argument, Constant Arguments, Function Overloading, Friend and Virtual Function.
II	<u>Classes and Object :-</u> Structure and Class, Declaration of class, Member Function, Access Specifier, Arrays within class, Pointer and Classes, Nested Class, <u>Special Member Functions:-</u> Constructor, Destructor, Inline Function, Static Class Member, Friend Function, Dynamic Memory Allocation, This Pointer, Mutable,
III	Inheritance:- Introduction, Types, Define Derived Class, Types of Derivation, Types of Base Class, Ambiguity and resolution in single and multiple inheritance, Array of class object in single inheritance, Container Classes, Virtual Base Class, Abstract Class, Constructor in derived class, Member Classes(Nesting of Classes), Overloading function and Operator:- Function Overloading, Operator Overloading, Rules of Overloading Operators, Overloading unary operator, Overloading Binary Operator, Manipulation of string using operator, Overloading Binary operator using Friend Function.
IV	Polymorphism and Virtual Functions: Introduction to polymorphism, Early Binding, Late Binding, Polymorphism with Pointers, Virtual Function, Pure Virtual Function, Abstract Class, Constructor under Inheritance, Destructor under Inheritance, Virtual Destructor, Virtual Base Class, Templates and Exception Handling: Function Template, Class Template, Exception Handling Mechanism Throw, Try, Catch, Multiple Catch Statement, File Operations: Opening & Closing files, stream state, member function, reading, writing a character from a file, Classes and File operations, Structure and file operation, Array of classes object and file operation, Random Access Files.

- 1. **Object Oriented Programming**, E. Balagurusamy, Tata McGraw Hill, New Delhi
- 2. Let Us C++, Yashwant Kanitkar, BPB Publications, New Delhi

SEMESTER II

Busin	ess Ethics and Corpor	rate Culture (BCCAS	SFC 2.0)	
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Foundat	Skill

Objective: The objective of this paper is to make the students more clear about the importance of ethics in business and practices of good corporate governance.

- i) To develop an understanding of ethical principles, values and ethical theories
- ii) To familiarize them with the concept of Corporate code of ethics
- iii) To develop conceptual understanding of ethics in business, LPG and global trends in business ethics
- iv) Student will be able to apply theoretical knowledge in practical situation while dealing with ethical concerns in various aspects of business
- v) To acquire knowledge about CSR along with its dimensions
- vi) Ability to analyze and apply the concept of corporate governance
- vii)To develop an overall idea about ethical investing, insider trading and whistle blowing.

Unit	Contents Contents
I	Introduction to Business Ethics
	Meaning & definition of ethics, nature of ethics and sources of ethics, values & types of values.
	Meaning of business ethics, objectives of business ethics, need &
	importance of business ethics.
II	Ethics in Workplace
	Introduction, factors affecting ethical behavior at work, ethical issues,
	discrimination, harassment, importance of ethical behavior at
	workplace, guidelines for managing ethics in the workplace.
	Ethics in Marketing
	Ethics & marketing, unethical issues in marketing.
	Ethics in Accounting & Finance
	Need for ethics in finance, fundamental principles relating to ethics,
	reasons for unethical behavior/ unethical practices in finance.
III	Corporate Culture
	Meaning of corporate culture, objectives & importance of corporate
	culture, factors affecting corporate culture. Types of attitude, types of
	ego, how to deal with interpersonal conflict between coworkers,
	Relevant Case Studies.

IV	Corporate Social Responsibility
	Concept of CSR, Need of CSR, forms & dimensions of CSR.
	Corporate Governance
	Concept of CG, objectives of CG, features of good corporate
	governance, advantages of good corporate governance, corporate
	governance and its obligations to stakeholders.

- 1. **Business Ethics**, CSV Murthy, Himalaya Publishing House, Mumbai
- 2. **Business Ethics**, An Indian Perspective; A.C. Fernando, Pearson, Chennai

SEMESTER III

Cost Accounting (BCCAC 3.1)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objective : this course exposes the students to the basic concepts and the tools used in			
cost accounting.	4		

Learning Outcome:

1. To understand the concept and practical application of cost sheet and tender sheet

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- 2. To understand the procedure of reconcile the profit as per cost and financial books
- 3. To understand the basic concept and profit recognition in contract costing
- 4. To get the detailed understanding of process costing including the concept of loss and by-product

Unit	Contents	
I	Cost Sheet and Tender Sheet:	
	Theory: Meaning, Nature, Scope, Advantages & Disadvantages of Cost Accounting, Elements of Cost, Concept of Overheads, Direct & Indirect Overheads, Segregation of Indirect Overheads, Advantages and Disadvantages of Cost Sheet and Tender Sheet. Practical Problems: Preparation of Cost sheet and Tender Sheet.	
II	Reconciliation Statement of Profit:	
	Theory: Meaning of Reconciliation statement of Profit, Need, Objectives and Advantages of Reconciliation Statement of Profit. Practical Problems: Preparation of Recompilation Statement of Profit of Cost Sheet and Financial Account by various methods.	
III	Contract Account:	

	Theory: Meaning of Contract, Types of Contract, Objectives, Advantages and Disadvantages of Contract Costing, Difference between Contract Costing and Job Costing.	
	Practical Problems: Preparation Contract Account for including Completed Contract and Incomplete Contract.	
IV	Process Account:	
	Theory: Meaning of Process, Characteristics, Advantages and Disadvantaged of Process, Meaning of Normal Loss, Abnormal Loss and By-product.	
	Practical Problems: Preparation Process Accounts for Simple Process, By-product, Normal Loss, Abnormal Loss and Gains	

- 1. Cost Accounting, Dr. V.S. P. Rao, Vrinda Publication Pvt. Ltd., Delhi, 2000.
- 2. **Cost Accounting,** Dr. M.P. Gupta, Mansarovar Publication, Kanpur, 2016.
- 3. **Cost Accounting,** Dr. R. N. Khandelwal, SBPD Publication, Agra, 2015
- 4. **Cost Accounting, Prof. S.N. Patil, Vishwa Publication, Nagpur, 2001.**

SEMESTER III

Company Law & Secretarial Practice (BCCAC 3.2)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objective : To impart among the students company law and basic practices of a Secretary.			

Learning Outcome:

After learning this subject, the student will be able to understand:

- i) The formation and incorporation of Company in India.
- ii) The framework of Memorandum of Association and Article of Association and Prospectus.
- iii) The concept of Share Capital and Shareholders, Members and Role of a Managing Director.
- iv) Understand the conduct of Company Meetings

Unit	Contents
I	Corporate Personality: Meaning of a company, characteristics of a
	company, Kinds of company, lifting the corporate veil. Formation
	and Incorporation of company: Stages in formation of a company,
	Certificate of Incorporation, certificate to commence business, Pre-
	incorporation contracts

II	Memorandum of Association and Articles of Association:		
	Meaning of Memorandum of Association, contents of Memorandum		
	of Association, alteration in Memorandum of Association,		
	importance of Memorandum of Association, Meaning and		
	definition of Articles of Association, contents of Articles of		
	Association, Doctrine of constructive notice, Doctrine of ultra vires,		
	procedure for alteration of Articles of Association,		
	Prospectus: Definition of Prospectus, Contents of prospectus,		
	Types of Prospectus- Abridged prospectus, Shelf prospectus,		
	Deemed Prospectus, Statement in Lieu of Prospectus,		
	misrepresentation in Prospectus, consequences of		
	misrepresentations		
III	Share Capital: Classification of share Capital, Meaning of Shares,		
	Kinds of Shares, Issue ofShares		
	Shareholders and Members: Meaning of shareholder/ Member,		
	Procedure to become a member, kinds of members.		
	Directors: Meaning of Directors, D.I.N, Appointment of Directors,		
	Powers and duties of Directors		
	Managing Directors: Meaning of Managing Directors,		
	Qualifications of Managing Directors, Appointment of Managing		
	Directors		
IV	Secretary: Meaning, Definition of secretary, qualifications of		
	company secretary, duties of secretary, Liability of Company		
	Secretary, Role of Secretary: As trustee, As an employee, As an		
	administrative officer,		
	Company meetings: need for meeting, notice, agenda, quorum;		
	Statutory general meeting, Annual general meeting, Extra ordinary		
	general meeting		

- **1. Company Law & Secretarial Practice,** Kapoor, N.D, Sultan Chand & Sons, New Delhi.
- 2. Indian Company Law, Singh Avtar, Eastern Book Company, Lucknow.
- **3. Company Law and Secretarial Practice,** Dr. R.K. Nelakha, Ramesh Book Depot, Jaipur
- 4. Corporate & Allied Laws, Munish Bhandari, Best Word Publication
- 5. Analysis of Companies Act, 2013 CCH

SEMESTER III

Web Designing & HTML (BCCAC 3.3)

Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objectives: Website I	Design works on getting	g a website that provide	es solutions
for business requ	irements. It is used	for "Selling on the	internet" or "Online
pping".			

Learning Outcome:

• HTML is Basic of all Programming Languages so that students will be able to create web pages which can understand by any web browsers.

Unit	Contents
I	Creating Static Web Pages with HTML: Introduction, Designing web site, Advantages and Disadvantages of HTML, Flow of Web Information, Role of Web Browser and Web Server, Process of Web Publishing, Creating a Simple Static Web Page: About HTML, Basic elements: https://doi.org/10.1001/journal.com/ (velocity and Aboute path, Comments, Special Characters, Text Formatting tags, center>
II	Adding Links, Images, Background and Table: Hyperlinks , Creating links to web pages and URLs, Creating links within the same page, various types of URLs that can be used in links, Image tag and their related attributes, Inline images, Links to (external) images, Using Inline images, Using images as hyperlinks, Popular images formats for internet and HTML. Tables: Basic table tags and their related attributes.
III	Frames and Embedding Multimedia: Frames, Image Map and Web Font Creator: Frames and their creation, Image Maps <map> and <area/> tags, Client – Side and Server – Side image maps. Form designs, Form Controls, Embedding Multimedia: Introduction, Embedding Multimedia, Inserting sound/audio formats, video file formats.</map>
IV	Cascading Style Sheets (CSS): CSS: Defining style sheets, features, adding style to document, Linking to a single sheet, Embedding style sheet, Using inline style, Style sheet properties, Font properties, Color and Background properties, Text properties, Box properties. JavaScript: Introduction, Client-Side Java Script, Advantages and Limitations, Incorporating Java Script in HTML Document.
Books Recomm	ended:
1. World Wide	Web with HTML, C Xavier, McGraw Hill, New Delhi

- 2. **Complete HTML**, BPB Publications, New Delhi
- 3. XML, Xavier (TMH)
- 4. JavaScript in Easy Steps, Mike McGrath, Tata McGraw-Hill, New Delhi.

SEMESTER III

Programming in C # (BCCAC 3.4)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core

Objectives: The C # Programming language is intended for use in developing software components suitable for deployment in distributed environments. It is suitable for writing applications for both hosted and embedded systems

Learning Outcome:

• Students would able to develop native windows applications, mobile apps,websites,games and even native Andriod or iOS apps by learning of C# with some additional frameworks like Xamarin or Mono.

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Unit	Contents
I	Introduction to c#, An Overview of C#, Data Types, Literals, and Variables, Operators, Program control statements, Introducing classes and objects, Arrays and strings, A closer look at methods and classes. Operator Overloading, Indexes and properties, Inheritance, Interfaces structure and Enumeration, Exception Handling, Using I/O
II	Delegates and Events, Applying Events : A case study, Namespaces preprocessor and assemblies, runtime type ID, Reflection and attributes, Generics, Unsafe code , Pointers, Nullable types, Miscellaneous keywords
III	Exploring the C# library, system Namespace, string and formatting, Multithreaded programming, Windows programming, Basic Windows programming, Advanced Windows forms features, Deploying Windows Application
IV	Introduction and Understanding .NET with C# Environment -The .NET Strategy, The Origin of .NET Technology, The .NET Framework, The Common Langue Runtime, Framework Base Class, User and Program Interface, Visual Studio .NET, .NET Languages, Benefits of the .NET Approach, C# and .NET.
Books Rec	commended:
,	e complete reference C# 2.0, Schildt Herbert, Publisher McGraw-Hill fessional Publishing, New Delhi

- 2) **Beginning Visual C# 1010,** Waston, Karli Nagel, Christian Pedersen, Jacob Hammer raid, Jon D, John Wiley & Sons Incorporation
- 3) **Beginning C#3.0**, Purbum, Jack, John Wiley & Sons Incorporation
- 4) **C# Black book,** Telles, Matthew A, Coriolis Group books

SEMESTER III

MIS and System Analysis (BCCAC 3.5)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core

Objectives: MIS and System Analysis is the process of studying a procedure or business in order to identify its goals and purposes and create systems and procedures that will achieve them in an efficient way.

Learning Outcome:

 Students would able to know the current status of the organization at a glance of Management Information System & System Analysis, so it will helpful for improving the quality of decisions.

Unit	Contents
I	System concepts and the information systems environment, System Development Life Cycle, Role of System Analyst
II	System Planning and the initial investigation, information gathering, The tools of structured analysis
III	Feasibility Study, Input/Output and forms design, System Testing and Quality Assurance
IV	Implementation, Post Implementation and Software maintenance, Security, Disaster recovery and ethics in system development

Books Recommended:

- 1. **System Analysis and Design Methods,** Jeffrey L Whitten, Lonnie D Bentley, McGraw-Hill, New Delhi.
- 2. **System Analysis and Design**, Edward, McGrew-Hill, New Delhi.
- 3. **Management Information Systems**, A. K. Gupta, S. Chand, New Delhi.
- 4. **Management Information Systems,** Mahesh Halale, Himalaya Publishing house
- 5. **System Analysis and Design**, Elias M. Awadh, Galgotia Publications, New Delhi
- 6. **Management Information System**, D. P. Goyal, Vikas Publishing House, New Delhi

SEMESTER III

Computer Applications in Business (BCCASFC 3.0)					
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group:	Core	Skill
			Foundation		

Objectives: This course is designed to impart knowledge regarding concepts of Financial Accounting Tally is an accounting package which is used for learning to maintain accounts.

Learning Outcome:

• Students can manage Accounting, Inventory Management, Order Management, Tax Management, Payroll, Banking and many such requirements of the business by learning of Tally.ERP9 Accounting Software

Unit	Contents
I	Introduction to Tally.ERP 9- Features of Tally, Enhancement in Tally, Installation Procedure, Opening Tally, Components, Creating a Company. Groups, Ledgers & Vouchers- Introducing Groups, Introducing Ledgers, Introducing Vouchers.
II	Stock and Godown in Tally- Stock Groups, Stock Categories, Stock Items, Units of Measure, Godowns, Introducing Purchase Orders, Introducing a Sales Order, Introducing Invoices. Reports in Tally.ERP 9- Working with Balance Sheet, Working with Profit & Loss A/c Report, Working with Stock Summary Report, Understanding Ratio Analysis, Bank Reconciliation, Tally Audit, Check Printing
III	Exploring Payroll in Tally.ERP 9- Working with Payroll Vouchers, Defining Payroll Reports, Working with Statements of Payroll Report, Describing Salary Disbursement, Cost Category & Cost Center. Taxation- Indian Tax Structure, Tax Deducted at Source (TDS), Tax Collected at Source (TCS), Introduction to GST, Advantages, Disadvantages, Slabs of GST, Features of GST, GST Reports, E-way bill.
IV	Important Features of Tally.ERP 9- Taking Backup in Tally.ERP 9, Restoring Data in Tally. ERP 9, Using E-mail in Tally.ERP 9, Migrating Data from Tally 7.2 to Tally.ERP 9, Tally.NET in Tally.ERP 9- Configuring the Tally.NET Feature, Assigning Security Levels, Creating Security Controls, Connecting a Company to the Tally.NET Server, Logging as a Remote User.

Books Recommended:

- 1. **Computerized Accounting using Tally ERP 9,** Sahaj Enterprise, Tally Education Private Ltd (TEPL).
- 2. Business Accounting with MS Excel and Tally.ERP 9 Course Kit, Vikas Gupta,

Dreamtech Press, New Delhi.

- 3. Accounting with Tally, K. K. Nadhani, BPB Publication, New Delhi.
- 4. Tally Tutorial, K. K. Nadhani and A.K. Nadhani, BPB Publications, New Delhi.
- 5. **Tally.ERP 9 in Simple Steps,** Dreamtech Press, New Delhi.

SEMESTER IV

	Management Accou	inting (BCCAC 4.1)	
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core

Objectives: The objective of the course is to enable students to acquire sound Knowledge of concepts, methods and techniques of management accountingand to make the students develop competence with their usage inmanagerial decision making and control.

- 1. To understand practical aspects of preparation of cash budget
- 2. To get acquainted with practical aspects of ratio analysis
- 3. To be coherent with the concepts and practical aspects of fund flow statement
- 4. To understand the concepts of marginal costing and application of the same in short term managerial decisions

Unit	Contents	
I	Introduction and Budgetary Control:	
	Theory: Meaning and Definition, Characteristics, Objectives, scope and functions of Management Accounting- Difference between Financial Accounting, Cost Accounting and Management Accounting. Meaning of Budgetary Control, tools of Budgetary Controls, Types of Budget, Advantages and Disadvantages of Cash Budget	
	Practical Problems: Preparation of Cash Budget.	
II	Ratio Analysis:	
	Theory: Meaning of Ratios, advantages and limitations of Ratio Analysis. Types of Ratios - Liquidity Ratios, Solvency Ratios, Profitability Ratios, Efficiency Ratios.	
	Practical Problems: Calculation of Operating Ratios and Financial Ratios.	
III	Fund Flow Analysis	
	Theory: - Meaning of Fund Flow, Uses of fund flow statement, Objectives, Advantages and Disadvantages of Fund Flow Statement,	

	Meaning of Working Capital, Meaning of Current Assets and Current Liabilities, Changes of Working Capital
	Practical Problems: Preparation of Statement Showing Changes in Working Capital, Profit and Loss Adjusted Account and Fund Flow Statement.
IV	Marginal Cost Analysis:
	Theory: - Meaning of Marginal Costing, Use of Marginal Costing, Advantages of Marginal Costing, Meaning and Use of Break Even Point, Advantages and Limitation of Break Even Point, Introduction of Various Concepts Like Contribution, Profit Volume Ratio, Fixed Costs, Margin of Safety.
	Practical Problems: Calculation of BEP in Units and Amount, Profit Volume Ratio, Margin of Safety, Fixed Cost, Sale, Profit, Variable Cost, Contribution

- 1. Management Accounting, Surendra Singh, PHP Larning Pvt. Ltd., Delhi, 2016.
- 2. **Management Accounting,** M. Y. Khan. K. P. Jain, Tata Macgraw Hill Education Pvt. Ltd., Delhi, 2011.
- 3. Management Accounting, Dr. B. K. Mehata, SBPD Publication, Agra, 2015.
- 4. Management Accounting, RSN Pillai, S. Chand & Co., Ltd., New Delhi, 2012.
- 5. Management Accounting, M. Muniraju, Himalaya Pub. House, 2011.
- 6. Management Accounting, Dr. Jawaharlal, S. Chand & Co., Ltd., New Delhi, 2006.
- 7. **Principles of Management Accounting**, S. N. Maheshwari, S. Chand & Co., Ltd., New Delhi, 2007.
- 8. Financial Management, Ravi M. Kishore, Taxmann, New Delhi.
- 9. **Accounting for Management Planning and Control,** Richard M. Lynch and Robert Williamson,
- 10. Advanced Management Accounting, Ravi Kishor, Taxmann, New Delhi.

SEMESTER IV

Business Laws (BCCAC 4.2)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objective: To provide a brief idea of the laws available for the common man			

Learning Outcome:

After learning this subject, the student will be able to:

- i) Demonstrate an understanding of Legal Environment of Business in Indian scenario.
- ii) Apply basic legal knowledge to business transactions.

iii) Communicate effectively using standard business and legal terminology.

Unit	Contents
I	INDIAN CONTRACT ACT, 1872 Definition, Essential elements of a valid contract, Agreements, Offer and Acceptance, Essentials of a valid offer and acceptance, Consideration, no consideration no contract, Capacity of parties to contract, Free consent, Legality of object, Agreement declared void. Performance of a contract, Types of performance, Discharge of contract, Breach of contract, Remedies for breach of contract; Quasi contract, Contingent Contract
II	SALE OF GOODS ACT, 1930 Meaning of contract of sale, Difference between sale & agreement to sell, Goods, Classification of goods, Price- modes of fixing price, Conditions and Warranty, Implied Conditions and Warranty, Difference between conditions and warranty, Transfer of ownership/property in goods, Doctrine of 'Caveat Emptor', 'Nemo dat quod non habet', Unpaid seller, Rights of an unpaid seller, Sale by auction
III	CONSUMER PROTECTION ACT, 1986 Definitions- Complaint, Complainant, Consumer, Person, Service, Defect, Deficiency, Unfair trade practices. Rights of consumers; Procedure to file complaint; procedure on receipt of complaint; Remedies available toconsumers Consumer protection Councils; Consumer Disputes Redressal agencies- District Forum, State Commission, National Commission, their jurisdiction.
IV	INTELLECTUAL PROPERTY LAW Copyright- meaning of copyright, infringement of copyright; Trademark Act1999- Definition of trade mark; Doctrine of deceptive similarity; infringement of trademark; Remedies in case of infringement Patents Act- Definition, patentable inventions; Procedure for obtaining patent; opposition to grant of patents; infringement of patents; Offences under the Patent Act; penalties
Books Reco	ommended:
1. Busines	ss Laws, Kapoor N.D., Sultan Chand & Sons, NewDelhi

- 2. **Intellectual property Rights &Law,** G.B. Reddy –Gogia Law agencyHyderabad.
- 3. Law and Practice of intellectual Property, Vikas Vashisht, Bharat Law House Delhi, 1999.
- 4. **I.T. Rules with Information Technology Act, 2000,** Taxmann Publication Pvt. Ltd. NewDelhi
- 5. Law of Information Technology, Paintall D; Taxmann Publication Pvt. Ltd., New Delhi

SEMESTER IV

VB. NET (BCCAC 4.3)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objectives: Visual Basic .NET (VB.NET) is a multi-paradigm,			
object- oriented programming language, implemented on the .NET Framework.			

Learning Outcome:

• VB.NET language is easy to learn and easy to use so students can create wide range of applications like console based application, window based applications, window services web application, web services etc.

Unit	Contents
I	Welcome to Visual Basic.NET - Windows versus DOS Programming, Installing Visual Basic.NET, The Visual Basic.NET IDE, Creating a Simple Application, Using the Help System. The Microsoft.NET Framework - Microsoft's Reliance on Windows, Writing Software for Windows, Common Language Runtime, The Common Type System and Common Language Specification. Writing Software - Information and Data, Variables, Comments and Whitespaces, Data Types, Sorting Variables, Methods. Controlling the Flow - Making Decisions, The if Statement, Select Case, Loops.
II	Working with Data Structure – Understanding Array, Understanding Enumerations, Understanding Constants, Structures, Working with Collection and Lists, Building Lookup Tables with Hashtable, Advanced Array Manipulation. Building Windows Application – Responding to Events, Building a Simple Application, Creating Complex Applications, Using Multiple Forms. Displaying Dialog Boxes – The Message Box Dialog box, The Open Dialog Control, The Save Dialog Control, The Font Dialog Control, The Color Dialog Control, The Print Dialog Control.

III	Creating Menu - Understanding Menu Features, Creating Menu,
	Context Menu. Debugging and Error Handling - Major Error Types,
	Debugging, Error Handling. Building Objects – Understanding
	Objects, Reusability, Our First Object, Constructor, Inheritance, and
	the Framework Classes.
IV	Accessing Database - What is Database, SQL Select Statement,
	Queries in Access, Data Access Components, Data Binding. Database
	Programming with SQL Server and ADO.NET -ADO.NET, The
	ADO.NET Classes in Action, Data Binding. Deploying Your
	Application – What is Deployment?, Creating a Visual Studio .NET
	Setup Application, Assemblies as Installers, The Core of Deployment,
	Deploying Different Solution, Advance Deployment Option.

- 1. **Beginning VB.Net 2003**, Thearon Willis, Jonathan Crossland, Richard Blair, Dreamtech Press, New Delhi
- 2. **The Complete Reference**, Jeffry R. Shapiro, Visual Basic.NET, McGraw- Hill, New Delhi.
- 3. Programming Microsoft Visual Basic.Net, Francesco Balena, Microsoft Press.
- 4. Visual basic.Net A Beginner's Guide, Jeffrey Kent, McGraw- Hill, New Delhi.
- 5. Beginning VB.NET 2003, Jonathan, Richard Blair, Wiley India Pvt. Ltd.

SEMESTER IV

Dynamic Web Designing (PHP and MySql) (BCCAC 4.4)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objectives: PHP and MySQL make creating dynamic web sites easier and faster.			
Its purpose is to provide a way to publish and retrieve HTML pages. PHP makes			
web development easy.			

Learning Outcome:

• By using PHP, students can present dynamic web content on web browsers for the personal and professional users.

Unit	Contents
I	Getting Started With PHP- Basic HTML Syntax, Basic PHP Syntax,
	Using FTP, Testing Your Scripts, Sending Text To The Browser, Using
	The PHP Manual, Sending HTML To The Browser, Adding Comment
	To The Script, Basic Debugging Steps.

	HTML Forms And PHP- Introduction, Installation, PHP Syntax, Comments, Creating A Simple Forms, Choosing A Form Data In PHP, PHP File, Manually Sending Data To A Page. Variables and Constants- Variables, Types Of Variables, Quotation Marks, PHP Constants.
	Using Numbers- Creating Forms, Performing Arithmetic, Formatting Numbers, Understanding Precedence, Incrementing and Decrementing a Number, Creating Random Numbers.
II	Data Types- String, Integer, Float, Boolean, Array, Object, NULL, Resource.
	Using Strings- Creating the HTML Forms, Concatenating Strings, Handling Newlines, HTML And PHP, Encoding And Decoding Strings, Finding Substrings, Replacing Parts Of A String. Control Structures- Creating The HTML Forms, Form URL/E-Mail, The if Conditional, Form Validation Functions, Using IFElse, PHP Operators, Using elseif, The Switch Conditional, PHP Loops.
	Using Arrays- What Is An Array, Creating An Array, Types of Array, Adding Items To An Array, Accessing An Array From A Form, sort function for Array.
III	Creating Web Applications- Creating Templates, Using External Files, Using Constants, Working With The Date And Time function, Handling HTML Forms With PHP, Making Forms Sticky, Sending Email, Output Buffering, Manipulating HTTP Headers.
	Cookies And Sessions- What Are Cookies?, Creating Cookies, Reading From Cookies, Adding Parameters To Cookies, Deleting A Cookie, What Are Sessions?, Creating Session, Accessing Session Variables, Deleting Session, Filters, Captcha.
	Creating Functions- Creating And Using Simple Functions, Creating And Calling Functions That Take Arguments, Setting Default Arguments Values, Creating And Using Functions That Return A Value, Understanding Variable Scope, PHP Global Variables – Superglobals. Object-Oriented PHP, Error and Exception Handling
IV	Files And Directories- File Permissions, Writing To Files, Locking To Files, Reading From Files, Handling File Uploads, Form Handling, Navigating Directories, Creating Directories, Reading Files Incrementally, Exception Handling.
	Intro To Database- Introduction To SQL, Connecting To MYSQL, MYSQL Error Handling, Creating And Selecting A Database, Creating A MYSQL Database, Create MYSQL Table, Inserting Data Into A Database, Securing Query Data, Retrieving Data From A Database, Deleting Data

In A Database, Updating Data In A Database.

Putting It All Together- Getting Started, Connecting To The Database, Writing The User- Defined Function, Creating The Template, Logging In, Logging Out, Adding Quotes, Listing Quotes, Editing Quotes, Deleting Quotes, Creating The Home Page.

Books Recommended:

- 1. The Complete Reference, Holznr, PHP, McGraw-Hill, New Delhi.
- 2. PHP & MySQL in Easy Steps, Mike Mcgrath, McGraw-Hill, New Delhi.
- 3. PHP and MySQL, Steve Suehring, Tim Converse & Joyce Park, Wiley India Pvt. Ltd.
- 4. PHP and MySQL, Joel Murach & Ray Harris, Murach's, Shroff Publishers, Delhi.
- 5. Beginning PHP and MySQL, Jason Gilmore, APress
- 6. PHP for Web, Larry Ullman, Pearson, Chennai.

SEMESTER IV

Database Management System and Oracle (BCCAC 4.5)					
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core		
Objectives: Database management system is the means of controlling databases either					

the hard disk in a desktop system or on a network. The **goal** of a relational database design is to generate a set of relation schema.

Marye

- Students can manage the database by DBMS & Oracleused for running Online Transactions processing (OLTP), Data Warehousing (DW) and mixed database workload.
- Students can store and retrieve related information.

Unit	Contents
I	Database environment, Data processing, Traditional and DBMS environment, Database system, Types of databases - Centralize, distributed, Database management system, Components of DBMS, DBMS elements, Database Approach - Objectives, benefits, characteristics, Advantages of DBMS, The three tire architecture, Three level architecture, Database administration - Roles, Functions and responsibilities of DBA.
II	The E-R Model – Data models, Entities, attributes and relationship, Logical and Physical database design, Mapping Cardinalities, Database

	development process, Database development life cycle. Integrity constrains. Transforming ERR diagrams into relations, tree structure and hierarchical. Normalization, Codd's 12 rules, hierarchical database structure, Network database structure, Relational database structure RDBMS.
III	Introduction to ORACLE as RDBMS, History& standardization of SQL, Elements of SQL: Database objects, reserved words, Keywords, Variables, Data Types, Operators. Types of SQL: DDL, DML, DCL, Create table, Alter table, Crate view, Drop table, grant, revoke, commit, delete, insert, lock table, rollback, save point, Update, Select statement, Where clause. Functions: Arithmetic & Characters comparison, Logical set, Like function, Group function, Date Functions.
IV	Introduction to PL/SQL, Variables, Initialization of variables, Dynamic data types, Control loop statements, PL/SQL Cursor: Declare cursor, Fetch, Open cursor, Close cursor. Triggers :Concepts, Trigger definition, Trigger type, Enabling, Disabling & Dropping triggers, synonyms, collections and Record, Varray, Nested table, Records

- 1. Database System Concept, Korth and Sudarshan, McGraw Hill, New Delhi
- 2. **An Introduction to Database System**, Bipin C. Desai, Galgotia Publications Ltd, New Delhi
- 3. Database Management System, R. Panneerselvam, PHI, New Delhi
- 4. Oracle: I.T. Today (Encyclopedia) 5. Oracle, Oracle Press
- 6. Oracle Pl/SQL: PL/SQL in 21 days (Techmedia) SAMS

SEMESTER IV

Environmental Studies (BCCASFC 4.0)					
redit: 4	Total Marks: 80		Core on	Skill	
			redit: 4 Total Marks: 80 Group:		

Objectives:

At the end of the course it is expected that the students will be

- Proficient and knowledgeable about the understanding of natural system.
- Familiar with the issues and problems in environment, causes of such problems, effect of such issues and pollution on human life and remedies for these problems and pollution.

Learning Outcome:

- i) The concept of Ecosystems and Environment
- ii) The facts about use and over exploitation of Natural resources and the role of individual in conservation of such natural resources
- iii) The concept of biodiversity and its conservation and environmental pollution.
- iv) Population issues and environment, role of information technology in environment and human health.

Unit	Contents
I	Multidisciplinary Nature of Environmental Studies- Environment, Environment Studies, Need for public Awareness, Environmental Degradation, Shelter Security, Economic Security, Social Security, Effects of Housing on Environment, Effects of Industry on Environment. Natural Resources- Introduction, Types of Natural Resource, Forest Resources, Water Resources, mineral Resources, Food Security Resources, Energy resources, Land Resources, Conservation of Natural Resources, Sustainable Lifestyles, Sustainable Water Management (SWM), Biogeochemical Cycle.
II	Natural resources & Conservation: Natural resources (overview, challenges, conservation strategies) – renewable and non-renewable, energy, water, forest, soil, mineral resources; Role of an individual in conservation of natural resources; the rights of animals – basic rights, arguments for and against animal rights.
III	 Biodiversity and its Conservation a) Definition, Genetic, Species and Ecosystem diversity, Biogeographical classification of India. b) Value of biodiversity: Consumptive use, Productive use, Social, Ethical, Aesthetic and option values. Environmental pollution a) Definition, Causes, effects and control measures of Air pollution. Water pollution and Soil pollution. Causes, effects and control measures of Marine pollution, Noise pollution, Nuclear Hazards.
IV	Social Issues and the Environment- Introduction, Sustainable Development, Urbanization, Water Conservation, Resettlement and Rehabilitation of People; Its Problems and Concerns, Social Issues and The Environment, Wasteland Reclamation, ACTs for Environmental Protection, Carbon Credits, Industrial Symbiosis, Initiatives and Roles of Nongovernmental Organization (NGOs) in Environmental Protection, Issues Involved in Enforcement of Environmental Legislation, Animal Husbandry. Human population and the Environment- Population Growth, Family Welfare Programs, Environment and Human Health, Fundamental Rights, Human Rights, Value Education, HIV/AIDS, Environmental Education, Women's Education, Role of Information Technology in Environment and Human Health.

- 1. Environmental Studies, Dr. D. K. Asthana, Dr. Meera Asthana, S. Chand, New Delhi.
- 2. Environmental Studies, Dr. K. Mukkanti, S. Chand, New Delhi.
- 3. Fundamental Concepts in Environmental Studies, Dr. D. D. Mishra, S.Chand, New

Delhi.

- 4. Environmental Studies, Benny Joseph, McGraw Hill Education, New Delhi.
- 5. Environmental Studies, Shashi Chawla, McGraw-Hill, New Delhi.

SEMESTER V

Auditing & Corporate Governance (BCCAC 5.1)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core

Objective: To provide knowledge of auditing principles, procedures and techniques in accordance with current legal requirements and professional standards and to give an overview of the principles of Corporate Governance and Corporate Social Responsibility.

Learning Outcome:

- i) Mechanisms of Corporate Governance.
- ii) Role of Board of Directors in Corporate Governance
- iii) Corporate Governance in Indian context.

	E E E A E E		
Unit	Contents Contents		
I	Introduction: Definition of audit, Objectives and Advantages of		
	auditing, Basic principles of auditing, Types or Classification of		
	auditing, Techniques of Auditing.		
	Internal control system – Features, Objectives, Advantages &		
	Disadvantages.		
	Internal check – Fundamental Principles & Advantages.		
	Internal audit – Need and function of internal auditing.		
	Audit Plan & documentation of audit plan. Audit programme &		
	constructing an audit programme, Audit evidence.		
II	Company Audit: Qualification, Disqualification, Appointment &		
	Removal of auditors. Ceiling on number of audits, rights, powers &		
	duties of a company auditor, remuneration of auditor, Audit		
	Committee. Civil liabilities of an auditor, professional negligence.		
III	Audit Reports		
	Introduction and Basic elements of an auditor's report, Form of		
	opinion (Modified, Unmodified, Qualified, Adverse and Disclaimer of		
	opinion) and basis for opinion, Introduction to Standards on		
	Auditing (SA).		
	Companies (Auditor's Report) Order, 2020		
	Introduction to CARO 2020, Applicability of CARO 2020, Overview		

	of reporting requirement under CARO 2020		
IV	Corporate Governance:		
	Meaning, definition, need & objectives, importance, features of good		
	corporate governance. Role of SEBI in corporate governance, Good		
	corporate governance companies in India, Models & Theories of		
	corporate governance.		
	Reforms & Committees:		
	Corporate governance reforms in India, Types of Committee Reports		
	on Corporate Governance, Principles of corporate governance,		
	Corporate Governance Failure (Case Studies of ENRON, WAL-MART		
	& SATYAM)		

- 1. **Auditing Principles and Practice**, Ravinder Kumar and Virender Sharma,PHI, New Delhi
- 2. Auditing, ArunaJha, Taxmann Publication, New Delhi.
- 3. **Auditing Theory and Practice**, A. K. Singh, and Gupta Lovleen, Galgotia Publishing Company, New Delhi.
- 4. **Corporate Governance: Theory and Practice**, Anil Kumar, Indian Book House, New Delhi
- 5. **Modern Indian Company Law**, M.C. Kuchhal, Shri Mahaveer Book Depot. (Publishers). (Relevant Chapters)

SEMESTER V

Indian Financial System (BCCAC 5.2)				
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core	
Objective: To enable and equip the students with the understanding of Indian Financial				
System.				

Learning Outcome:

- i) The concept of money markets, capital markets and various instruments of money and capital markets.
- ii) The instruments of global capital markets, financial markets.
- iii) The meaning and working of derivative market in India.

Unit	Contents
I	Components of formal financial system- Structure & Functions of
	Financial system, Nature and role of financial institutions and

	financial markets, financial system and economic growth.			
	Money Markets - Overview of money markets, functions & operations, instruments, Treasury Bills and types, Commercialpapers, Commercial bills, Call money market, Moneymarket intermediaries, Money markets and monetory policies in India.			
	CAPITAL MARKET			
	Capital Market: Structure of the Indian Capital Market – Recent Developments in the Indian Capital Market - Interlink between Money Market and Capital Market - Overview of Debt Market in India			
II	Financial regulations & financial services-			
	Financial Regulation - SEBI – Management, powers and functions, Investor protection measures, RBI – objectives, organization, role. Financial services: Meaning, need and importance Factoring, Securitization of debt, Plastic money, Venture Capital, Credit rating			
III	Financial Instruments:			
	Traditional Instruments: Equities, Debentures and Bonds; Hybrid Instruments: Different types of bonds such as Floating Rate Bonds, Zero Coupon Bonds, Deep Discount Bonds, Inverse Float Bonds			
IV	The Derivative Market in India:			
	Meaning of Derivatives; Participants in the Derivatives Markets – Hedgers, Arbitragers and Speculators; Significant of Derivative Market; Types of Financial Derivatives – Forwards, Futures, Options and Swaps; Derivatives Trading in India			

- 1) Pathak Bharati (2008): The Indian Financial System –Markets, Institutions, and Services, (2nd Edition), Pearson Education, New Delhi.
- 2) **Financial Institutions and Markets, Growth and Innovation,** Bhole L. M., Tata McGraw-Hill, New Delhi, 2008.
- 3) Financial Economics, Bodie, Z. et. el, Pearson Education, New Delhi, 2009.
- 4) **Introduction to Futures and Options Market**, Hull John, Prentice Hall of India, Delhi, 2002.
- 5) Financial Services, Khan M.Y., Tata McGraw Hill, New Delhi, 2007.
- 6) **Management of Banking and Financial Services**, Paul, J. and P. Suresh, Pearson Education, Delhi, 2008.
- 7) **Reserve Bank of India (various issues) Report on Currency and Finance,** RBI, Mumbai.

- 8) Reserve Bank of India, Occasional Papers, Vol. 18, Nos. 2 & 3, RBI, Mumbai 1997.
- 9) **Derivatives: An Introduction,** Strong, R. A., Thomson Asia Pvt. Ltd, Bangalore, 2002.
- 10) **Futures and Options**, Sridhar, A. N., Equities and Commodities; Shroff Publishers, Mumbai 2006.

SEMESTER V

Core java (BCCAC 5.3)				
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core	

Objectives: It is intended to let application developers write once, run anywhere (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation.

Learning Outcome:

- Student can use Core Java to design Android Applications.
- Students would able to design application software for both desktop and web applications.

Unit	Contents
I	History and evaluation of Java, Overview of Java, Data types Variables and Arrays, Operators, Control Statements, Introducing Classes, Methods and Classes.
II	Inheritance, Constructors, Method Overriding, Package and Interfaces, Exception Handling, Multithreaded Programming, Enumerations, autoboxing and Annotations (Metadata).
III	I/O, Applets, Generics, String Handling, Exploring Java.Lang, Java.util: Collection Framework, Input/Output: Exploring Java.io, The Stream Class, Character Stream, Consoal Class, Serialization,
IV	Applet Class, Event handling, Introducing AWT: Working with windows, graphics, text, Using AWT controls, Layout Managers and Menus, Images.

Books Recommended:

- 1. **Programming with Java**, E. Balagurusamy, McGraw-Hill, New Delhi.
- 2. **Java The Complete Reference**, Seventh Edition, Herbert Schildt, Mc Grew Hill
- 3. **Java The Complete Reference,** Ninth Edition by Herbert Schildt Publication, Oracle Press

SEMESTER V

Python (BCCAC 5.4)				
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core	

Objectives: Python supports multiple programming paradigms, including object-oriented, imperative, functional programming, and procedural styles. It has a large and comprehensive standard library allows programmers to express concepts in fewer lines of code.

Learning Outcome:

- Python is easy to use and students can easilylearn it like English Language.
- Students can create and learn Console application, Desktop application, web development, Machine learning, Internet of things (IOT) applications, system scripting.
- Students can connect to database system so that they can handle big data and perform complex mathematics.

Unit	Contents
I	Introduction to Python: Introducing python, Installing python on windows, Launching Python on your machine, Identifiers and Variables, Writing your first program, Obtaining user input, Correcting Errors. Performing operations - Doing arithmetic, Assigning values, Comparing Values, Assessing logic., Examining Conditions, Setting precedence, Type Casting, Making statements - Writing lists, Manipulating lists, Restricting lists, associating list elements, Branching with if, Looping while true, Looping over items, Breaking out of loops.
II	Defining Functions-Understanding scopes, Supplying arguments, Returning Values, Using callbacks, Adding placeholders, producing generators, Handling exceptions, Debugging assertions. Importing Modules - Storing functions, Owning function names, Interrogating the system, Performing mathematics, Calculating decimals, Telling the time, Running a timer, Matching patterns.
III	Managing strings -Manipulating strings, Formatting strings, Modifying strings, Accessing files, Reading and writing files, Updating file strings, Pickling data Programming objects , Encapsulating data, Creating instance objects, Addressing class attributes, Examining built-in attributes, Collecting garbage, Inheriting features, Overriding base methods, Harnessing polymorphism. Processing requests -Sending responses, Handling values, Submitting forms, Providing text areas, Checking boxes, Choosing radio buttons, Selecting options, Uploading files

IV	Building interfaces-Launching a window, Responding to buttons,			
	Displaying messages, Gathering entries, Listing options, Polling radio			
	buttons, Checking boxes, Adding images Developing applications -			
	Generating random numbers, Planning the problem, Designing the			
	interface, Assigning static properties, Initializing dynamic properties			
	Adding runtime functionality, Python and Databases – ODBC and			
	Python, Installing and Logging into MySQL, Working with MySQL,			
	Accessing MySQL Data from Python, Testing the program, Freezing			
	the program, Deploying the application.			

- 1. **Python Training Guide**, John V. Guttag, Publication : BPB Publication
- 2. Python Projects, Laura Cassell & Alan Gauld
- 3. **Think Python**, Allen B. Downey, Shroff Publishers, New Delhi.
- 4. **Practical Programming An Introduction to Computer Science using Python**, Paul Greis, Jennifer Campbell, Jason Montojo, Shroff Publishers, New Delhi
- 5. **Python in Easy Steps**, Mike McGrath, McGraw-Hill, New Delhi.

SEMESTER V

Indian Banking & Insurance Systems (BCCADE 5.51)					
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group:	Discipline	
	山原	と	Specific E	lective	
Objective: To familiarize the students with the principles and practices of Banking and					
Insurance.	3/60				

Learning Outcome:

- i) Principles of borrowing and lending.
- ii) Internet banking.
- iii) Concepts of insurance.

Unit	Contents
I	Introduction to Banking:
	Basic Concepts: Origin, Need, Types, Scope and Functions of Banking, Brief history, Forms of banking – unit banking, branch banking, Group banking, Chain banking, Satellite and affiliate banking, Correspondent banking, Managerial functions in banks.
II	Principles of Bank Lending & Internet Banking:
	Types of advances - Loans, Cash Credit, Overdraft, Bills Purchased,
	Bills Discounted, Letters of Credit - Types of Securities - Sound

	principles of BankLending,
	Internet Banking –
	Meaning, Benefits, Virtual banking, E-payments, ATM Card/Biometric card, Debit/Credit card, Smart card, NEFT, RTGS, ECS (credit/debit), E-money, Electronic purse, Digital cash.
III	Introduction to Insurance:
	Need and Scope of insurance Basic concept of risk, Life cycle needs including solutions, Kinds of business risks, Principles of insurance - Types of insurance and policies: Life and Non-life, Reinsurance - Risk and Return relationship
IV	Insurance Business Environment in India-
	Evolution of Insurance -Growth of Insurance Business - Actuarial
	Role- Claim and Settlement Procedures - Power, functions and Role of IRDA.

- 1. **Banking and Insurance**, Agarwal, O.P., Himalaya Publishing House
- 2. Financial Services Banking and Insurance, Satyadevi, C., S.Chand
- 3. **Practical and Law of Banking,** Suneja, H.R., , Himalya Publishing House
- 4. Elements of Banking Law, Chabra, T.N., Dhanpat Rai and Sons
- 5. **Elements of Banking and Insurance,** Jyotsna Sethi and Nishwan Bhatia, PHI Learning

SEMESTER V

Internatio	nal Trade & Busine	ss Administration (BCCADE 5.52	2)
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Specific Ele	Discipline ective
Objective: The objective of the course is to familiarize the students with the concents				

Objective: The objective of the course is to familiarize the students with the concepts, importance and dynamics of international business and India's involvement with global business.

Learning Outcome:

Students will be able to Explain the concepts in international business with respect to foreign trade/international business and Administration.

Unit	Contents
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I	Introduction to International Business:
	Importance, nature and scope of International Business. Globalization and its importance in world economy; Impact of globalization; International business vs. domestic business: Complexities of international business; Modes of entry into international business.
II	Theories of International Trade:
	An overview (Classical Theories, Product Life Cycle theory, Theory of National Competitive Advantage factor endowment theory comparative cost theory); Commercial Policy Instruments - tariff and non-tariff measures – difference in Impact on trade, types of tariff and non tariff barriers (Subsidy, Quota and Embargo in detail); Balance of payment account and its components Balance Of Trade.
III	Regional Economic Co-operation:
	Forms of regional groupings; Integration efforts among countries in Europe, North America and Asia Structure and functioning of NAFTA, EU , ASEAN and SAARC . International financial system and institutions (IMF and World Bank – Objectives and Functions); Foreign investments - types and flows; Foreign investment in Indian perspective. Measures for promoting foreign investments into and from India.
IV	Foreign Exchange Rate and Management:
Paoles Pacomm	Foreign Exchange Rate: Meaning and importance of foreign exchange rate. Fixed and flexible exchange rate; Merits and demerits. Foreign exchange market-meaning functions, effects of changes in exchange rate. Foreign Exchange Control: Meaning. Objectives of exchange control.

- 1. **International Business**, Charles W.L. Hill and Arun Kumar Jain,. New Delhi: McGraw Hill Education.
- 2. **International Business**, Daniels John, D. Lee H. Radenbaugh and David P. Sullivan. Pearson Education.
- 3. International Business Themes & Issues in the Modern Global Economy, Johnson, Derbe., and Colin Turner. London: Roultedge.
- 4. **International Business**, SumatiVarma, Pearson Education.
- 5. International Business: Text and Cases, Cherunilam, Francis. PHI Learning
- 6. International Business, Michael R. Czinkota. et al.. Fortforth: The Dryden Press.
- 7. **International Business**, Bennett, Roger. Pearson Education.
- 8. International Business Environment, Francis Cherunilam Himalaya Publishing

House.

- 9. **The International Business Environment**, Anant K. Sundaram/J.Stewart Black-Prentice Hall.
- 10. **International Business**, K. Aswathappa, Mcgraw hill education.

SEMESTER V

Human Resource Management (BCCADE 5.53)					
Teaching Hours: 4	Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Discipline				
			Specific Elective		

Objective: To help the students to develop an understanding of the concept & techniques of essential functions of human resource management. The course will use and focus on Indian experiences, approaches and cases

Learning Outcome:

Students would be able to build understanding about the Aspects of managing Human Resources in an organisation.

Unit	Contents		
I	Introduction: Concept, Nature, Scope, Objective, Scope and Importance of HRM, role of personnel Manager, evaluation of the concept of HRM in India.		
II	Human Resource Planning:		
	Introduction, process of HRP; recruitment - definition, sources & process; orientation; Selection- selection process, new tools & methods of selection, interview, test & assessment of effectiveness of selecting tools; induction and placement.		
	Training & Development -		
	Meaning, definition, importance, needs, types of training, evaluation & effectiveness of training, task analysis, man analysis, organizational analysis, responsibility of training areas identified by trainers.		
III	Employment Remuneration Compensation:		
	Introduction, nature & purpose of wage determinations process, incentive plans & profit sharing, exit policy – VRS, resignation, termination.		
	Job Evaluation and Design: concept, objectives, limitations, importance; methods and procedures. Competency approach to Job evaluation, Job design, job specification & role analysis, factors affecting Job design, Techniques of Job Design. Cases & exercise in understanding Job analysis.		

	Personal Records, Audit and Research: introduction, purpose and fundamental principles of record keeping.
IV	Performance Appraisal and Merit Rating: Nature, objective, limitation-various methods- modern & traditional, multiple person evaluation methods, performance test & field review techniques, appraisal, praise, recognition, rewards and incentives, promotion. HR record, MIS, HR report, HR formats, personal files, attendance, leave, medical records, absenteeism, Merit rating-concepts, methods, difference between job evaluation and merit rating.

- 1. **A Text book of Human Resource Management**, C. B. Mamoria& S. V. Gankar., Himalaya Publishing House
- 2. **Personnel and human Resource management**, Text & cases, P SubbaRao, Himalaya Publishing House
- 3. **Human resource Management**, P. Jyothi, Oxford University Press.
- 4. **Human Resource Management,** Ninth Edition, R.WayneMondy, Robert M, Noe, Pearson Education
- 5. **Human Resource and Personnel Management Text and cases,** K. Aswathappa, McGraw- Hill Publishing co. ltd.

SEMESTER V

Entrepreneurship Development (BCCADE 5.54)					
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group:	Discipline	
		alge	Specific E	lective	
Ol: mi	C - 1		1 .	1 .	

Objective: The purpose of the paper is to orient the learner toward entrepreneurship as a career option and creative thinking and behavior.

Learning Outcome:

- i) Historical evolution of entrepreneurship.
- ii) Various entrepreneurship trends.
- iii) Procedures of opportunity scouting and idea generation.
- iv) The concept, need, problems of Rural entrepreneurship and measures to develop the same.

Unit	Contents
I	Introduction:
	Entrepreneur - Meaning- importance- nature, types, and challenges.

	Economic difference between Entrepreneur and Intrapreneur.
	Entrepreneurship development-its importance- Role of
	Entrepreneurship in economic development Characteristics of
	successful entrepreneurs. Social entrepreneurs, meaning and
	importance, Women Entrepreneurs, reasons for low/no women
	entrepreneur, their Problems and Prospects.
II	Entrepreneurial skills:-
	Entrepreneurial leadership- meaning and characteristics,
	entrepreneurial leadership, Significance and impediment of
	creativity in entrepreneurship process, Techniques of Idea
	generation and screening.
III	New Venture planning and financing:-
	Franchising-process and opportunities, Business plan-need,
	perspective, elements, Business plan failures, Managing growing and
	ending the new venture - Preparing for the new venture launch,
	criteria for evaluating new venture proposals; Early management
	decisions; New venture expansionstrategies and issues - Going
	public - ending the venture.
IV	International Entrepreneurs:-
	Global Entrepreneurs- Opportunities and challenges, Disruptive
	innovation- meaning and process, Business models; Role of Central
	Government and State Government in promoting Entrepreneurship
	- Introduction to various; incentives, subsidies and grants - Export
	Oriented Units - Government Schemes.

- 1. Entrepreneurship: Creating and Leading an Entrepreneurial Organization, Kumar, Arya, Pearson, India
- 2. **Entrepreneurship: Starting, Developing and Managing a New Enterprise,** Hishrich, Peters, Irwin
- 3. Launching New Ventures: An Entrepreneurial Approach Cengage Learning, Allen, K.R.,
- 4. **Entrepreneurship Development**, Ramachandran K., Tata McGraw Hill, New Delhi, India.
- 5. **Entrepreneurship**, Roy, Rajeev, Oxford University Press.
- 6. **Entrepreneurship**, Hisrich, Robert D., Michael Peters and Dean Shephered, Tata McGraw Hill, New Delhi

SEMESTER V

Quantitative Aptitude and Logical Reasoning (BCCAGE 5.61)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Generic Elective

Objectives:

- 1. To develop an understanding of the basic mathematical and statistical tools and their application in business and finance.
- 2. To develop logical reasoning skills and apply the same in simple problem solving.
- 3. The students should be able to evaluate various real life situations by resorting to analysis of key issues and factors

Learning Outcome:

After learning this subject, the student will be able to understand:

- i) Concept of ratio and proportion.
- ii) Concept of interest.
- iii) Logical reasoning.

Unit	Contents
I	Ratio & Proportion and Indices
İ	Ratio - Meaning, properties, the concept & application of inverse ratio.
	Proportion – Meaning, properties of proportion, laws on proportion (Invertendo, Alternendo, Componendo, Dividendo)
İ	
ļ	Indices – Meaning of indices & laws of indices (Easy applications)
II	Simple & Compound Interest& Annuity
İ	Concept of interest, reasons why interest is charged, definition
İ	of Interest, Principal, Rate of interest & Accumulated amount.
İ	Simple interest & Compound interest, difference between SI & CI,
ı	effective rate of interest, basic concept of Annuity & Future value,
ı	future value of an annuity regular, basic concept of present value.
III	Basic Concepts of Permutation & Combination
İ	Introduction, factorial, problems on permutations including circular
İ	permutation with restrictions and problems on combination (easy to
İ	moderate level).
IV	Logical Reasoning
1	Number series, Alphabet series, letter coding, number coding and
İ	blood relations. (Basic & Moderate level)
Books Re	commended:

300KS Recommenaea:

- 1. **Quantitative Aptitude for competitive exams,** Dr. R. S. Agrawal, S. Chand.
- 2. A Modern Approach to Logical Reasoning, Dr. R. S. Agrawal, S. Chand
- 3. **Quantitative Aptitude for all competitive exams,** Abhijit Guha, Tata Mac Graw Hill.

- 4. **Quantitative Aptitude for CAT,** Deepak Agrawal & D. P. Gupta.
- 5. **Quantitative Aptitude,** Shripad Deo, Allied Publishers Pvt. Ltd.
- 6. **ICAI study module of CA Foundation course,** Paper 3 Business Mathematics & Logical Reasoning & Statistics.

SEMESTER V

	Econometrics	(BCCAGE 5.62)	
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Generic Elective
Objectives: The course is designed to equip students with basic econometric skills			

Learning Outcome:

required for applied research in Economics.

Students would be able to build clarity on application of statistical techniques to analyse and solve economic issues.

The students would build an attitude towards the applicability of statistical techniques to various economic issues to evolve with a concrete solution.

Unit	Contents
I	Introduction
	Concept, Meaning and Definition; Methodology of Econometrics-
	Statement of Theory or Hypothesis, Specification of the Econometric
	Model of Consumption, Forecasting or Prediction, Use of the Model for
	Control or Policy Purposes.
	Types of Econometrics.
II	Classical Linear Regression Model
	Types of Data: Cross-Section, Time Series, Panel Data; Steps in
	Empirical Econometric Analysis; Concept of Population Regression
	Function and Sample
	Regression Function;
III	Estimation and Results
	Estimation of the SRF using OLS; Analysis of Variance;
	Coefficient of Determination R2 ; Assumptions underlying
	Classical Linear Regression
	Model; Gauss Markov Theorem
IV	Multiple Linear Regression Model -I
	Interpretation of Partial Regression Coefficients; Interval
	Estimation and Hypothesis Testing: Parametric and Non-
	Parametric Tests (F-test, t-test, Z-
	test, chi-square test)

- 1. **Basic Econometrics,** Gujarati, Damodar N.; Porter, Dawn C. & Gunasekar, Sangeetha: (5th ed.) New Delhi. Tata Mcgraw Hill Education Private Limited, 2012.
- 2. **Introduction to econometrics,** Dougherty, Christopher: (4th ed.) New Delhi. Oxford University Press, 2011.
- 3. **Econometric models, techniques and applications,** Intriligator, Michael D.: New Delhi. Prentice-Hall Of India Private Limited, 1980.
- 4. **Elements of econometrics,** Kmenta, Jan: (2nd ed.) New York. Macmillan Publishing Company, 1986.

SEMESTER V

	E-Governance	(BCCAGE 5.63)	
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Generic Elective

Objectives: To aware students about the application of information and communication technology (ITC) for delivering government services, exchange of information, communication transaction, etc.

Learning Outcome:

- i) Compliance norms of e-governance related to tax filings.
- ii) Compliance norms of e-governance related to GST filings.
- iii) Compliance norms of e-governance related to Companies and LLP.

Unit	Contents
I	Introduction to E-Governance:
	1. Overview of e-governance and role of ICT in GoodGovernance
	2. Objectives, Need and Importance of E-Governance
II	E-governance Compliance in Direct Taxes:
	1. Procedure for registration for online portal of Income Tax;
	Procedure for e-filing of Income Tax Returns; Various types of
	forms of income tax return; E-verification of Income Tax Returns,
	E- payment of Income Tax: Due Dates; Various Challans for E-
	payment of IncomeTax.
	2. E-filing of audit Report: Various forms of Audit Report:3CA, 3CB,
	annexures to Audit Report 3CD.
III	E-governance Compliance in Indirect Taxes:
	1. GST Network: Meaning, Facilities provided by GSTN
	2. Procedure for online registration of a dealer for Good and Service

	Tax
	3. Procedure for filing GST returns; Various types of GSTReturns
	GSTR-1, GSTR-3B, GSTR-4 and GST CMP-08.
IV	E-governance Compliance for Companies and Limited Liability
	Partnerships (MCA21 Portal):
	1. Services provided by Ministry of Corporate Affairs online portal;
	Procedure for online application for Director's Identification
	Number (DIN); Procedure for online application for Corporate
	Identification Number (CIN), E-filing of Annual returns
	ofCompany
	2. Services for Limited Liability Partnership (LLP): Check LLP name;
	Annual E-filing for LLP; Change LLP Informationetc.

- 1) **E-Governance and Social Inclusion Concepts and Cases,** Scott Baum and Arun Mahizhnan, IGI Publications.
- 2) E-Governance, Pankaj Sharma, APH Publishing
- 3) E-Governance in India Initiatives and Cases, R. P. Sinha

SEMESTER V

Introduction to Travel and Tourism (BCCAGE 5.64)			
Teaching Hours: 4	Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Generic Elective		

Objectives:

- 1. To make students understand the scope in travel and tourism and various aspects related to it.
- 2. To give brief description about the Indian tourism vis-à-vis world tourism.
- 3. To aware about basic concepts and types of travel and tourism.

Learning Outcome:

- i) Tourism development.
- ii) Impact of tourism.
- iii) Rural tourism and other related aspects.

Unit	Contents
I	Tourism Concepts & Significance
	Definitions, Tourist, Tourism, Leisure, Recreation, Terminology, An overview of Tourism, Historical Development of Tourism, A historical

	perspective. of travel, Famous travelers, The Industrial revolution and travel, History of transport and its impact on tourism development
II	Tourism Systems, Scope, & Impacts
	System approach to Tourism; Tourism Industry; Structure and Components: Attractions, Accommodation, Activities, Transportation, F&B, Shopping, Entertainment, Infrastructure and Hospitality, Ideals of • Responsible Tourism, Alternate Tourism, Tourism Impacts, Tourism Area Life Cycle (TALC), Demonstration Effect, Push and Pull Theory
III	Travel Motivations & Types
	Major motivations and deterrents to travel; Typology of Tourism, Emerging areas of tourism - Rural, Eco, Medical, MICE, Literary, Indigenous, Wellness, · Film, Golf, etc., Classification of Tourists; Tourism Destinations of India: Ecotourism, Rural Tourism, Golf Tourism, Wine Tourism, Camping Tourism, Medical Tourism, MICE Tourism, Pilgrimage Tourism
IV	Tourism Communication System
	Process of Communication, Formal and Informal Communication, Verbal and non-Verbal Communication, Barriers to Communication, Role of Language in Tourism Communication, Communication Process, Tourism Communication System, Methods of achieving Effective Communication, Measurement of Impact of Communication, Mass Media, Media Relations

- 1. **International Tourism Management,** Bhatia, A.K. (2001), Sterling Publishers, New Delhi.
- 2. **Tourism Operations and Management,** SunetraRoday, et al (2009), Oxford UniversityPress.
- 3. **Tourism Past, Present and Future,** Burkart A.J., Medlik S. (1974), Heinemann, London.
- 4. **The Travel Industry,** Chuck Y. Gee, James C. Makens & Dexter J. L. Choy (1989), Van Nostrand Reinhold, NewYork.
- 5. Effective Business Communication, Kaul, Asha (2005), PHI, NewDelhi.

Corporate Tax Planning (BCCAC 6.1)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core

Objective: To provide basic knowledge about corporate tax planning and practices and its impact on decision making.

Learning Outcome:

- i) The provisions of direct taxes relating to corporate tax.
- ii) The application of tax provisions in respect of tax planning considerations relating to companies.

Unit	Contents
I	Introduction of Income Tax Act 1961 and basic concepts
	Theory: Introduction to Income Tax Law: Overview of Income Tax
	Law in India, Constitutional powers to levy Income Tax, Concepts of
	Finance Act, Income Tax Rules, Circulars and Notifications, Levy of
	Income Tax, Rates of Taxes applicable for various assessees for
	relevant assessment year, Introduction to heads of Income.
	Residential Status - Rules for determining residential status of
	Individual, HUF, Firm and Company, need to determine residential
	status, Incidence of tax
II	Profits and Gains from Business and Profession
	Theory: Scope of Chargeability (Section 28), Admissible Deductions
	(Section 30 to 37) (excluding depreciation on assets held by power
	generation units). Inadmissible Deductions (Section 40),
	Disallowances under certain circumstances (Section 40A), Deemed
	Profits (Section 41), Deductions on the basis of actual payments
	(Section 43B)
	Problems: Computation of Income from Profits and Gains from
	Business or Profession
III	Capital Gains and Other Sources
	Income under the head Capital Gains: Basis of charge -Section 45
	(1), definition of Capital asset & kinds of capital asset, transfer of
	capital asset, simple problems on computation of capital gain, tax
	on capital gain, exemptions under section 54D, 54EC, 54EE.
	Income under the head Other Sources: Scope of Chargeability
	[Section 56]; Dividends Section 2(22) & taxation of dividends,
	meaning of securities, interest on securities, kinds of securities, ex-
	interest & cum-interest transactions, Admissible Deductions
	(Section 57), Disallowances (Section 58) and simple problems on

	computation of income from other sources.
IV	Tax Planning
	Theory: Introduction to Tax Planning: Concept of Tax Planning, Tax
	Management, Tax Evasion and Tax Avoidance.; Problems
	onAssessment of companies
	Definitions - Company, Types of companies, Indian Company,
	Domestic Company, Foreign Company.
	Computation of Tax Liability of a corporate assessee including
	Computation of Minimum Alternate Tax (MAT) (Section 115JB), Tax
	planning in respect of managerial decisions.
	Note: Academic year will be considered as Assessment Year.

- 1. **Corporate Tax Planning**, Singhania, Vinod K. and Monica Singhania. Taxmann Publications Pvt. Ltd., New Delhi.
- 2. **Corporate Tax Planning and Management**, Ahuja, Girish. and Ravi Gupta. Bharat Law House, Delhi
- 3. **Tax Planning under Direct Taxes**, Acharya, Shuklendra and M.G. Gurha. Modern Law Publication, Allahabad.
- 4. Law of Transfer Pricing, D.P. Mittal, Taxmann Publications Pvt. Ltd., New Delhi.
- 5. **IFRSs, IAS 12 and AS 22. 6,** T.P. Ghosh, Taxmann Publications Pvt. Ltd. New Delhi.

SEMESTER VI

Advance Java and Android (BCCAC 6.2)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Core
Objectives: Advance Java is intended for developing Enterprise applications. Students			
will design Client end and Server end of application by understanding life-cycles of			

Learning Outcome:

Servlet & JSP Projects.

- Adv Java helps student in building Web and Desktop applications. Though it is a server - side programming language class so students can make dynamic web pages.
- Android is an open source mobile operating system so that students can learn
 this easily for simplified mobile app development process. Students can also
 create custom mobile apps that solve customer problems and increase value for
 their business.

Kotlinis a latest platform coding option for students. Students would able to learn this official coding language for Android app development which is very popular now days.

Unit	Contents
I	Introduction to web application, benefits of web application, Technologies used in web application, architecture models, MVC architecture, Introduction to JDBC, working with JDBC APIs, Implementing JDBC statements and CRUD Operation, Describing Advanced JDBC concepts.
II	Understanding JAVA servlet, understanding request processing and http, handling sessions in servlet, implementing filters, listeners and wrapper, Applet- servlet communication, Interservlet communication,
III	Introduction to JSP, Working with JSP basic tags and implicit objects, working with Java beans and action tags in JSP, Enhancing the JSP tag support, Implementing security in web application, Bootstrap.
IV	Introduction to Android, developing android applications, building android projects, creating user interface, coding application, Turning application into app widget, publishing your app in Google play store. Introduction of Kotlin, Advantages, Disadvantages, Usage and applications, Kotlin over Java
Books Recomm	nended:

Books Recommended:

- 1. Java the complete reference Eighth Edition, Herbert Schildt, ORACLE Press
- 2. Head First Servlets and JSP, Bryan Basham, Kathy Sierra and Bert Bates, Oreilly
- 3. Black book second edition, Santosh Kumar K. Publication Dreamtech Press
- 4. **Android App development for DUMMIES**, Michel Burton, Willey

SEMESTER VI

ASP. NET (BCCAC 6.3)				
Teaching Hours: 4	Total Credit: 4 Total Marks: 80 Group: Core			
Objectives:	ASP.NET is an open-source server-side web application			application
framework designed for web development to produce dynamic web pages.				

Learning Outcome:

Students can get help to create web pages and web technologies like amazon.com, ebay.com and many other popular web sitesby using ASP. NET as the framework.

Unit	Contents
I	ASP.NET Fundamentals- ASP.NET Web form Structure, Controls – ASP.NET server controls and client-side script, ASP.NET Web server controls, Validation server controls, User and server controls, Data Access – Data Binding, Model Binding, Querying with LINQ, Entity Framework, ASP.NET Dynamic data, Working with services.
II	Providers- Introduction to Provider Model, Extending the Provider Model, ASP.NET Features – Working with Master Pages, Site Navigation, Personalization, Membership and role Management, Security, Application State, Caching
III	Client-Side Development- ASP.NET AJAX, AJAX control toolkit, jQuery, Real – time communication, Developing web site with mobile in mind
IV	Application Configuration and Deployment- Configuration, Debugging and Error Handling, Modules and Handler, Asynchronous Communication, Building Global Application, Packaging and Deployment ASP.NET Application.

- व्या अधि 1. ASP.NET 4.0 Black Book, KOGENT Learning solutions INC, Dreamtech press
- 2. The Complete Reference ASP .NET- Matthew MacDonald, McGrew Hill Education
- 3. ASP.NET 4.5 in C# and VB- Jason N. Gaylord Christan Wenz, Pranav Rastogi, Todd Miranda, Scott Hanselman, WROX A Willey Brand

SEMESTER VI

Security Analysis and Portfolio Management (BCCADE 6.41)				
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group:	Discipline
			Specific Electives	

Objective: The aim of this course is to provide a conceptual framework for analysis from an investor's perspective of maximizing return on investment - a sound theoretical base with examples and references related to the Indian financial system.

Learning Outcome:

Students will be able to understand risk & return analysis, share valuation and portfolio Management through application of Various Models.

Unit	Contents
I	Basics of risk and return: concept of returns, application of standard

	deviation, coefficient of variation, beta, alpha. Systematic and Unsystematic Risk, Fundamental analysis: EIC framework.
II	Share valuation: Dividend discount models- no growth, constant growth, two stage growth model, multiple stages; Relative valuation models using P/E ratio, book value to market value. Technical analysis: meaning, assumptions, difference between technical and fundamental analysis; Efficient market hypothesis; Concept of efficiency: Random walk, Three forms of EMH and implications for investment decisions.
III	Portfolio analysis: portfolio risk and return, Markowitz portfolio model: risk and return for 2 and 3 asset portfolios, concept of efficient frontier & optimum portfolio. Market Model: concept of beta systematic and unsystematic risk. Investor risk and return preferences: Indifference curves and the efficient frontier
IV	Capital asset pricing model (CAPM): Efficient frontier with a combination of risky and risk free assets. Assumptions of single period classical CAPM model. Characteristic line, Capital Market Line, Security market Line.

- 1. **Security Analysis & Portfolio Management**, Fischer, D.E. & Jordan, R.J., Pearson Education.
- 2. Investments, Sharpe, W.F., Alexander, G.J. & Bailey, J Prentice Hall of India.
- 3. Security Analysis & Portfolio Management, Singh R,. Excel Books.
- 4. **Investment Analysis and Portfolio Management**, Frank K Reilly & Keith C Brown: Cenage India Pvt. Ltd.

SEMESTER VI

Goods and Service Tax (BCCADE 6.42)				
Teaching Hours: 4	Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Disciplin			
			Specific Electives	
Objective: To know the basic regulatory aspects of Banking and Finance				

Learning Outcome:

- i) The concept of charge and levy of Goods and Service Tax
- ii) The concept of supply and computation of tax liability of Goods and Service Tax.

Unit	Contents
I	Introduction to GST: Constitutional Background of GST; GST Network (GSTN); GST online portal.
	Registration: Procedure of registration; Procedure for making application of registration; Procedure of verification of application and its approval; Physical verification of business premises; Procedure for issuance of registration certificate; Suo Motu Registration; Method of authentication; Assignment of unique identity number to certain special entities; Deemed Registration; Amendment of Registration; Cancellation or suspension of Registration
II	Registration. Concept of Taxable Supply; Exempt Supply; Non-taxable Supply;
	Inward supply; Outward Supply; inter-State and Intra-State supplies; Zero-rated supplies; Taxability of mixed and composite supply.
	Place of Supply: Need for determination of place of supply; Place of
	supply of goods in domestic transactions i.e. within India; Place of
	Supply of Services: General provisions [Section 12(1) and (2)]
	Time of Supply: Time of supply of goods under forward charge; Time of supply of services under forward Charge; change in the rate
	of tax in respect of supply of goods or services.
	Taxable Supply: Value of Taxable Supply; Inclusions in the value of
	supply; Exclusions in the value of supply; Computation of value of
	taxable supply.
III	Input Tax Credit: Concept of Input Tax Credit; Eligibility and
	conditions for availing Input Tax Credit; Time limit for availing of
	ITC, Reversal of Input Tax credit in case of non-payment of
	consideration; Case studies on input tax credit eligibility; Tax
	liability for Goods in transit. Accounts & Records: Accounts and other records; E-Records,
	Records prescribed by the Rules; Period of retention of accounts;
	Manner of maintaining accounts; Procedure of Generation and
	maintenance of electronic records; Invoice; Credit Note and Debit
	Note.
	GST Returns:
	Returns and due dates for filing GSTR-1, GSTR-3B, GSTR-4 and GST
	CMP-08; Procedure of e-filing of GST Returns GSTR-1, GSTR-3B, GSTR-4 and GST CMP-08.
IV	Payment of Tax, TDS and TCS:
	Manner of payment of tax, interest, penalty and other amounts
	[Section 49]; Electronic Cash Ledger; Electronics Credit Ledger;
	Electronic Liability Ledger; Concept of Common Portal Identification

Num	ber	(CPIN),	Challan	Identification	Number	(CIN),	Bank
Refe	rence	e Number	r (BRN),	Electronic Foca	al Point Br	anch (E	-FPB);
Inter	est	on delaye	ed payme	nt of tax; Cond	ept of Tax	deduct	ion at
sour	source (TDS) and Tax Collection at Source (TCS); Difference between						
TDS	and	TCS; Du	e dates	of payment of	GST; Prod	cess of	Online
Payn	nent	of GST thi	rough Cha	llans.			

- 1. **Indirect Taxes Law and Practice,** V. S. Datey– Publisher, Taxmann Publications Pvt. Ltd, New Delhi.
- 2. **Students Guide to Indirect Taxes**, Written by CA Vineet Sodhani, Taxmann Publications.

SEMESTER VI

Industrial & Labour Laws (BCCADE 6.43)						
Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Discipline						
Specific Electives						
Objective: To develop conceptual knowledge about industrial law						

Learning Outcome:

- i) Functioning of factories and industries.
- ii) Compensation Laws.
- iii) Union Laws.

Unit	Contents			
I	Indian Factories Act 1948			
	Provisions regarding workers health, safety and welfare; rules			
	relating to employment of young persons, employment of women,			
	adult; Provisions relating to hours of work for adult and young			
	person; Rules of annual leave			
	Industrial Disputes Act, 1947			
	Definition of Industry; Meaning of industrial dispute; Concept of			
	Strike, lockout, Lay-off and Retrenchment, Difference between strike			
	and lockout; Closure, authorities for settlement of industrial dispute			
	namely- Works committee, Conciliation Officer, Conciliation Board,			
	Court of Enquiry, Labor Court, Industrial Tribunal, National Tribunal			
II	Labour Welfare: Meaning and objectives of labour welfare, theories			
	of labour welfare, welfare officer in Indian industry, qualification			
	and role of welfare officers			

	Washington Commenced Act Object 1.5: When Commenced			
	Workmen's Compensation Act: Object, definition of employer and			
	employee, partial disablement and total disablement, occupational			
	disease, employer's liability for compensation			
III	Payment of Bonus (as per Code on wages 2019): meaning of			
	bonus, eligibility for bonus, disqualification for bonus, minimum			
	and maximum bonus, available surplus, allocable surplus, set on and			
	set off of allocable surplus, Time limit for payment of bonus			
	Payment of Gratuity Act: Concept, Scope and application of the act,			
	Provisions relating to payment of gratuity, nomination, Employers			
	duty to pay gratuity			
IV	Child Labour (Prohibition Regulation) Act, 1986:Object, Scope,			
	application, Provisions regarding hours and period ofwork,			
	Provisions regarding health and safety of working children			
	Trade Unions Act 1926			
	Objectives of the Act, Definitions of the Trade Unions; Trade			
	Disputes, Registration of Trade Unions, Advantages of Registered			
	Trade Unions, Rights and Liabilities of Office Bearers; Functions of			
	Trade Union inIndia			

- 1. Labour Legislation, Dr. M. M. Verma &R. K. Agrawal, King Books, New Delhi
- 2. **General & Commercial Laws**, Taxmann Publication
- 3. **Industrial Relation &Labour Law**, P.C. Tripathi, C.B Gupta & N. D. Kapoor, S. Chand & Sons.

SEMESTER VI

	E-Commerce	(BCCADE 6.44)			
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group:	Discipline	
			Specific Elec	ctives	
Objective: To provide knowledge about the electronic transaction in the business and					

Objective: To provide knowledge about the electronic transaction in the business and brief about various modes used in the process.

Learning Outcome:

- i) Concepts of E-Commerce & E-Business
- ii) Basic requirements of E-Commerce.
- iii) Use of digital payment systems.

Unit	Contents

-				
I	E-Commerce: Introduction, Definition, Benefits of E-Commerce,			
	Impact of E-Commerce on business models, Traditional Commerce			
	Vs E-Commerce, Advantages and Disadvantages of E-Commerce,			
	Electronic Commerce and the Trade Cycle.			
II	The Elements of e-Commerce: Elements, e-Visibility, The e-Shop,			
	Online Payments, Delivering the Goods, After Sales Service, Internet			
	e- Commerce Security.			
	E-Payment Systems: Electronic Fund Transfer, Immediate Payment			
	Systems (IMPS), Real Time Gross Settlement; Unified Payment			
	Interface (UPI) and other Modern e-Payment Systems, Steps for			
	electronic payment			
III	E-Business: Introduction, Internet Bookshops, Grocery Supplies,			
	Software Supplies and Support. Electronic Newspapers, Internet			
	Banking, Virtual Auctions, Online Share Dealing, Gambling on the			
	Net, e-Diversity Electronic Market : Usage, Advantages and			
	Disadvantages and its future.			
IV	Electronic Data Interchange (EDI): Introduction, Benefits, Trade			
	Cycle and Example. Internet Commerce: Introduction, Internet			
	Trade Cycle and example, Internet Security: Issues, Security			
	threats like damage to data, loss of data and unauthorized use of			
1	7DS / STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE			
	data, Security Procedure: Firewall, Encryption, Password, Access			
	data, Security Procedure: Firewall, Encryption, Password, Access Control List, Digital Certificate.			

- 1. E-Commerce David Whiteley, Tata McGraw Hill, New Delhi
- 2. **E-Business** Bajaj & Nag, TMH, New Delhi

SEMESTER VI

Gandhian Economics (BCCAOE 6.51)					
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Open Elective		

Objectives:

- 1. To familiarize the students with the application of Gandhiji's principlaes and value in economics.
- 2. To imbibe the teaching and thoughts of Gandhiji that are applicable to present day economic and financial aspect in overall economy.

Learning Outcome:

Students would be aquainted with the understanding about the various aspects of socioeconomic principles of Gandhian ideology related to economics

Students would be able to understand the implications of Gandhian ideology with respect

Economics

Unit	Contents
I	Introduction & basic concepts underlying Gandhian Thought, Truth, Non-violence and purity of ends and means. Fundamental Principles of Gandhian Economic thought. Labour capital relations, Theory of trusteeship, use of local energy sources. Gandhi's views on distribution of wealth. Concept of Economic Equality. Economic problems of India, Welfare Economics.
II	Gandhian Concept of Rural Economic development, Role of Co-operative Sector in Rural Development, Micro planning and Village Swaraj, Community Development, Concept of Self-sufficient Villages through local industries development, Economics of Khadi and Small-Scale Industries Development, Agricultural Sector Reforms, Economic Reconstruction of Villages.
III	Swadeshi Economic Pattern AndSarvodaya Economics; Decentralisation and its present relevance; Economics ideas of Gandhi; Gandhian theory and Business Ethics; Social Responsibility of Corporates; Economics and Ethics; Relevance of Gandhian Economic Thought in Indian and Global Content.
IV	Ethical Man vs Economic Man; Simplicity of Life and Limitation of wants; Use of Appropriate Technology; and Alternative Development; Sustainable Development. Importance and Co-operation in Economic Development; Economic Value Based Approach.

Books Recommended:

- 1. **"Foundations and Gandhian Thought",** Mahajan P. M. and Bhakti K. S. Dattson, Nagpur
- 2. **"Gandhian Economics: A Human Approach",** Sharma R: Deep & Deep Publishers, New Delhi
- 3. "A Critical Study of Gandhian Economic Thought", Jha S. N.: Agra Publication.
- 4. **Gandhi M.K.: "The Story of my Experiments with Truth",** Navjeevan Publishing House, Ahmedabad.

SEMESTER VI

Introduction to Public Administration (BCCAOE 6.52)						
Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Open Elective						
Objectives:						
1. To introduce to the	1. To introduce to the students three types of administration in India Democratic					

Republic.

- 2. To acquaint students of principles of administration.
- 3. To acquaint the students the scalar chain applicable in Indian Government.

Learning Outcome:

After learning this subject, the student will be able to understand:

- i) Functioning of Public Administrative Authorities
- ii) The Concept of Democratic Governance.
- iii) Functioning of Parliament.

Unit	Contents
I	Meaning, Nature, Scope and Significance of Public Administration; Public and Private Administration; Indianization of public services, Central, State and Local Government
II	Constitutional framework of government: Salient features and value premises; Constitutionalism; Political culture; Bureaucracy and democracy; Fundamental rights and duties; Directive principles of State policy.
III	Public administration and governance: government and governance; Good Governance-concept, evolution and applications; Democratic Governance-concept and contextualization; E-Governance and M-Governance.
IV	Union Government and Administration: Executive, Parliament, Judiciary- structure, functions, work processes; The Prime Minister's Office; Central Secretariat; Ministries and Departments.

Books Recommended:

- 1. **Indian Public Administration: Institutions and Issues,**Ramesh K Arora and Rajani Goyal: Vishwa Prakashan, New Delhi, 1996.
- 2. **From Government to Governance,** Kuldeep Mathur: National Book Trust, New Delhi, 2010.
- 3. Indian Administration, Hoshiar Singh: Kitab Mahal, New Delhi, 2004.
- 4. Indian Administration, S.R. Maheshwari: Orient Longman, Delhi, 2005.
- 5. **Public Administration in India,** S.R. Maheshwari: Oxford University Press New Delhi, 2005.
- 6. **Public Adminstration in India,** Padma Ramchandran: Natonal Book Trust, New Delhi, 2006.

- 7. **Indian Administration**, Ashok Chanda: George Allen & Unwin, Lndon, 1958.
- 8. **State Governments in India,** S.R. Maheshwari: Orient Longman, Delhi, 2005.
- 9. **Agenda for Improving Governance,** Bibek Debroy (ed.): New Delhi, Academic Foundation, New Delhi, 2004.
- 10. **Public Institutions in India,** Devesh Kapur and Pratap Bhanu Mehta (eds.): OUP, New Delhi, 2005.
- 11. District Administration in India, M.I. Khan: Anmol Publication, New Delhi, 1997.
- 12. **Indian Administration-Politics, Policies and Prospects** Kamala Prasad:, Pearson Education, New Delhi, 2000.
- 13. **BharatiyaPrashashan**, K. R. Bang: Vidya Books, Aurangabad, 2004. (Marathi)
- 14. **BharatiyaPrashashan**, Satish Dandge: Chinmay Prakashan, Aurangabad, 2007. (Marathi)
- 15. **PrashashanachePailu, Vol. I and II,** Mahav Godbole: ShreevidyaPrakashan, Pune, 1999 and 2000. (Marathi)
- 16. **Bhartiya Prashasanachi Roopresha,**Shyamsunder Waghmare and others: RajmudraPrakashan, Latur, 2008. (Marathi)

SEMESTER VI

Intellectual Property Rights (BCCAOE 6.53)								
Teaching Hours: 4 Total Credit: 4 Total Marks: 80 Group: Open Elective								

Objectives:

- 1. To introduce fundamental aspects of intellectual property rights to students who are going to play major role in developing and management of innovative project in industries.
- 2. To aware students about the procedure of registration and protection of intellectual property rights such as trademarks, copyrights, patents and designs etc.
- 3. To aware students about the practice aspects of registration of intellectual property in order to protect their research work and get it registred under regulations of IPR.

Learning Outcome:

- i) The concept of Intellectual Property Rights.
- ii) Functioning of Patents.
- iii) Concepts of Copyright and Trademarks

Unit	Contents	

I	Overview of Intellectual Property					
	Introduction of IPR, Scope of IPR, Need for intellectual property right (IPR), Intellectual property related problems in India, Introduction to the leading International instruments concerning Intellectual Property Rights: The Berne Convention, The World Intellectual Property Organization (WIPO); International Trade Agreements concerning IPR — WTO — TRIPS					
II	Patents					
	Definition of patent, invention and new invention; Need for patent, Inventions not patentable, Classification of patents in India, Classification of patents by WIPO, Categories/types of Patent, procedure for grant of patent, opposition to grant of patent, Patent Rights, Regulatory authority, Patent misuse, Penalties, Macro-economic impact of the patent system					
III	Copyrights Definition of copyright, concept of Copyright, Procedure for registration of copyrights, Term of copyright, Works that can be copyrighted, Copyright in literary, dramatic and musical works, computer programmes and cinematograph films Neighbouring rights, Rights of performers and broadcasters, etc, Infringement of copyrights, Remedies for infringement of copyright					
IV	Trademark Concept of Trademark, Definition, Types of Trademark, Importance, Registration process for Trademark, Grounds for refusal of registration, Rights of Trademark, Duration of Trademark, Infringement of Trademark Geographical indication					
	Concept of Geographical indication (GI), Difference between GI and					
	Trademarks, Need for GI, Registered GI in India,					
Books Recom	Books Recommended:					

- 1) Indian Patents Law Legal & Business Implications, AjitParulekar and Sarita D' Souza, Macmillan India Ltd., 2006
- 2) Law Relating to Patents, Trade Marks, Copyright, Designs & Geographical Indications, B. L. Wadehra; Universal law Publishing Pvt. Ltd., India 2000
- 3) Law of Copyright and Industrial Designs, P. Narayanan; Eastern law House, Delhi, 2010.
- 4) Handbook of Indian Patent Law and Practice, Subbaram N. R., S. Viswanathan, Printers and Publishers Pvt. Ltd., 1998.

SEMESTER VI

Constit	ution of India and Hu	man Rights (BCCA	AOE 6.54)
Teaching Hours: 4	Total Credit: 4	Total Marks: 80	Group: Open Elective

Objectives:

- 1. To understand the significance of constitution of India.
- 2. To understand the concept of Human rights.
- 3. To understand the role of constitution of India in protection and promotion of human rights

Learning Outcome:

- i) The basics of the Constitution.
- i) Citizenship rights
- ii) Human rights

Unit	Contents
I	Meaning of Constitution, Need for constitution, Salient features of Indian Constitution, Union and State Legislatures - Composition, Powers, Functions and Privileges, President and Union Council of Ministers, Governor and State Council of Ministers - Powers of President and Governor
II	Citizenship under Indian Constitution -Person vis-s-vis Citizen; Fundamental Rights- Meaning, Nature and Significance Right to Equality: Concept and Significance; Equality before Law and Equal Protection of Law, Right against discrimination, Equality in Public Employment, Right to Education, Right Against Exploitation
III	Meaning and definition of Human Rights, Sources of Human Rights, Universal Declaration of Human Rights, UN Charter Right to development, Right to Healthy Environment, Protection of human rights of Women, Protection of human rights of child, Protection of human rights of migrant workers and disabled persons
IV	Human Rights Protection in India- Steps taken to protect human rights in India, Salient features of National Human Rights Commission of India (NHRC); Functions of NHRC, Role of NGOs in protection of human rights, Role of UN in Protection and Promotion of Human Rights
Books Re	commended:

- 1. Indian Constitutional Law, M.P. Jain, Wadhwa & Co, Nagpur
- 2. Constitution of India, V.N. Shukla, Eastern Book Company, Lucknow
- 3. Indian Constitutional Law, G.C. V. Subba Rao, S.Gogia & Co., Hyderabad
- 4. **Constitutional Law of India,** N.Pandey, Central Law Agency, Allahabad
- 5. **Human Rights and International Law: Legal and Policy Issues,** Meron Theodor
- 6. **Human rights Under International Law and Indian Law,** S.K. Kapoor
- 7. Human Rights in India, C. J. Nirmal, Oxford
- 8. International Human Rights Documents, P.R. Gandhi, Universal, Delhi

SEMESTER VI

	Project Work based	on IT (BCCAPR 6.6)
Teaching Hours: 4	Total Credit: 4	Total Marks: 100	Group: Core

Learning Outcome:

- The final year students of B.Com. (Comp.App.) consists of two semesters in which students are asked to prepare a module or software to show their learning throughout their academics.
- Students are asked for practical knowledge and come up with the best idea in this filed so project helps a lot for their industry requirement.
- Students would able to understand which programming language is handy for them and it will make their project easier.
- Live projects will allow students to gain valuable work experience during study.

PATTERN OF QUESTION PAPER (THEORY/NUMERICAL)

Time: 3.00 Hours Marks: 80

• Note: All questions are compulsory.

		THEORY SUBJECTS	NUMERICAL		
	C l	NT 4	SUBJECTS	77	D4 1
Q. No.	Sub- Question	Nature		Unit	Marks
1.	Question	LAQ	LAQ		
	A	Theory	Problem	Unit No. I	10
	OR	Theory	OR	Offic ivo. i	10
	В	Theory	Problem	Unit No. I	10
2.	Б	-		Offic No. 1	10
۷.	Α.	LAQ	LAQ	II '. NI II	10
	A	Theory	Problem	Unit No. II	10
	OR	अर्थ	OR		
	В	Theory	Problem	Unit No. II	10
3.		LAQ	LAQ		
	A	Theory	Problem	Unit No. III	10
	OR	The last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the la	OR S		
	В	Theory	Problem	Unit No. III	10
4.		LAQ	LAQ		
	A	Theory	Problem	Unit No. IV	10
	OR		OR		
	В	Theory	Problem	Unit No. IV	10
5.		SAQ (Any Two)	SAQ (Any Two)	-	
	A	Theory	Theory	Unit No. I	4
	В	Theory	Theory	Unit No. I	4
	С	Theory	Theory	Unit No. I	4
6.		SAQ (Any Two)	SAQ (Any Two)		
	A	Theory	Theory	Unit No. II	4
	В	Theory	Theory	Unit No. II	4
	С	Theory	Theory	Unit No. II	4
7.		SAQ (Any Two)	SAQ (Any Two)		
	A	Theory	Theory	Unit No. III	4

	В	Theory	Theory	Unit No. III	4
	С	Theory	Theory	Unit No. III	4
8.		SAQ (Any Two)	SAQ (Any Two)		
	A	Theory	Theory	Unit No. IV	4
	В	Theory	Theory	Unit No. IV	4
	С	Theory	Theory	Unit No. IV	4
9.		VSAQ/OBJECTIVE	VSAQ (All)		
		(All)			
	A & B	Theory	Theory	Unit No. I	2
	C & D	Theory	Theory	Unit No. II	2
	E & F	Theory	Theory	Unit No. II	2
	G & H	Theory	Theory	Unit No. IV	2
	TOTAL		,		80



PATTERN OF QUESTION PAPER (Practical's)

Time: 2.00 Hours Marks: 40

• Note: All questions are compulsory.

	THEORY				INTERN	PRACTICAL		VIVA-VOCE	
					AL				
Tim	e: 2.00) Hours	Marks:	40	Marks:1	Time: 3.0	00 Hours/	Mark	xs: 20
						Marks: 30)		
Q.	Sub-	Nature	Unit	Mar	10	Particul	Marks	INT	EXT
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	on								
		LAQ	's						
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	OR					Progra			
	В	Theory	Unit No	. 07		m or			
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2	Α	Theory	Unit No	. 07	970	m			
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	В	Theory	Unit No	0.		t			
			III						
4	Α	Theory	Unit No	0.					
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	OR						30	10	10
	В	Theory	Unit No	. 07					
			IV						
5.		SAQ	-						
	Α	Theory	Unit No	. 03					
			I						
	В	Theory	Unit No	. 03					
			II						
	С	Theory	Unit No	. 03					
			III						

	D	Theory	Unit No.	03					
			Total	40	10		30	10	10
TOTAL MARKS: 100									

TOTAL MARKS: 100

B.C.C.A. (Semester I)

(Time: 3 Hours) English Language Skills (Total Marks: 80)

Uni	Unit	Q.	Sub.Q		Marks
t	Marks	No.	. No.		
I	48	1		er the following questions in about 150-200 each:	
			A	Lesson 1	8
			RE	OR	
			1	Lesson 2	
			В	Lesson 3	8
				OR Harge	
				Lesson 4	
		2		er the following questions in about 75-100 words	16
			each (Any Four).	
			a.	Lesson 5	
			b.	Lesson 5	
			C.	Lesson 6	
			d	Lesson 6	
			e.	Lesson 1	
			f.	Lesson 2	
		3	A	Answer the following questions in about 3-4	
				sentences each:	
			a.	Lesson 3	8
			b.	Lesson 4	
			c.	Lesson 5	

N.B. Question Pattern is subject to change as per the exigencies of the syllabus/Units. Changes, if any, will be notified at the beginning of the session or well in advance before the examination.

			d.	Lesson 6			
			В	Use the following idioms and phrases into sentences of your own (Any FOUR)	8		
				Six options; idioms/phrases from the text-book.			
II	16	4	A	Answer the following question in about 150-200 words:			
				Topic 1 (LAQ)			
				OR	8		
				Topic 2(LAQ)			
			В	Give short notes on the following in about 75-100 words (Any Two):	8		
			a.				
			b.				
			c.				
			d.	Fig. 198			
III	8	5	Do as directed:				
			A	Grammar	8		
			a.				
			b.				
			c.	No.			
			d.	नागपुर			
			e.				
			f.				
			g.				
			h.				
IV	8		В	Vocabulary: e.g. Noun from verbs (Any Four):	4		
			С	Vocabulary: e.g. Adjectives from nouns (Any Four):	4		
	TOTAL				80		