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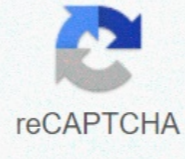
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Business mathematics and statistics b.com 2nd year syllabus

CC203: BUSINESS MATHEMATICS AND STATISTICS (6 Credit) Marks: 100 (Internal Assessment 20+ Term-end 80) Lectures: 60 Tutorials: 5 Objective: The objective of this course is to familiarize students with the applications of mathematics and statistical techniques in business decision-making. a) Use of simple calculator is allowed. b) Proofs of theorems / formulae are not required. c) Trigonometric functions are not to be covered. Part – A: Business Mathematics (23L+3T) Marks: 10 Definition of a matrix. Types of matrices; Algebra of matrices. Calculation of values of determinants up to third order; Adjoint of a matrix; Finding inverse of a matrix through ad joint; Applications of matrices to solution of simple business and economic problems Unit II: Differential Calculus Marks: 10 Mathematical functions and their types – linear, quadratic, polynomial; Concepts of limit and continuity of a function; Concept of differentiation; Rules of differentiation – simple standard forms. Applications of differentiation – elasticity of demand and supply; Maxima and Minima of functions (involving second or third order derivatives) relating to cost, revenue and profit. Unit III: Basic Mathematics of Finance Marks: 12 Simple and compound interest Rates of interest – nominal, effective and continuous – their inter relationships; Compounding and discounting of a sum using different types of rates. Part – B: Business Statistics (37L+2T) Marks: 16 Unit I: Uni-variate Analysis Measures of Central Tendency including arithmetic mean, geometric mean and harmonic mean: properties and applications; mode and median. Partition values – quartiles, deciles, and percentiles. Measures of Variation: absolute and relative. Range, quartile deviation and mean deviation; Variance and Standard deviation: calculation and properties. Unit II: Bi-variate Analysis Marks: 16 Simple Linear Correlation Analysis: Meaning, and measurement. Karl Pearson's co-efficient and Spearman's rank correlation. Simple Linear Regression Analysis: Regression equations and estimation. Relationship between correlation and regression coefficients. Unit III: Time-based Data: Index Numbers and Time-Series Analysis Marks: 16 Meaning and uses of index numbers; Construction of index numbers: Aggregative and average of relatives – simple and weighted, Tests of adequacy of index numbers, Construction of consumer price indices. Components of time series; additive and multiplicative models; Trend analysis: Finding trend by moving average method and Fitting of linear trend line using principle of least squares. a) Mizrahi and John Sullivan. Mathematics for Business and Social Sciences. Wiley and Sons. b) Budnick, P. Applied Mathematics. McGraw Hill Publishing Co. c) N. D. Vohra, Business Mathematics and Statistics, McGraw Hill Education (India) Pvt Ltd d) J.K. Thukral, Mathematics for Business Studies, Mayur Publications e) J. K. Singh, Business Mathematics, Himalaya Publishing House. f) J. K. Sharma, Business Statistics, Pearson Education. g) S.C. Gupta, Fundamentals of Statistics, Himalaya Publishing House. h) S.P. Gupta and Archana Gupta, Elementary Statistics, Sultan Chand and Sons, NewDelhi. i) Richard Levin and David S. Rubin, Statistics for Management, Prentice Hall of India, New Delhi. j) M.R. Spiegel, Theory and Problems of Statistics, Schaum's Outlines Series, McGraw Hill Publishing Co. (Note: Latest edition of text books may be used.) 11 Years Solved Past Papers of B. com Part 1 ADC Punjab University PU Up to Date 2009-2019, contains Questions and Answers of B.Com Part 1 annual and supplementary 2nd annual papers. These Past Papers Questions are the most Important Question For Business Statistics and Mathematics Exam. These Solved Past Papers Covers Whole Syllabus Of B. Com Part 1 Associate Degree in Commerce Papers 2020 Business stat and math syllabus This Paper is Divided into Two Sections:Section 1: Statistics , Section 2: Mathematics Note: At least two questions from each part will have to be answered. Each Question Carries 20 Marks. Total Number of Questions are 8. You have to attempt 5, You can leave three questions on choice.StatisticsMost Important Area of Syllabus are:Measures of Central Values. Measures of Dispersion. Skewness, Simple Correlation and Regression, Lines of Regression. Method of least square and curve fitting with application to Business.Index NumbersProbabilityRandom VariableTests of significanceSampling, Chi-Square, Statistical Package for Social SciencesMATHEMATICSSimultaneous equation.Quadratic equation,Sequence Series and ProgressionMetrics and determinants,Mathematics for Finance,Simple and compound interest and annuities. Full Course Video Language: English/Hindi No of Lectures: 96 Lectures Duration: 92 Hour 30 Min Validity: 1 Year Available in: Download Link / Pen Drive / SD Card Video Runs on: Windows Computer or Android Mobile Package: Video Lectures + Soft Copy (Pdf) of Study Material Doubts: Email or WhatsApp" Delivery: Within 24 hrs of Payment for Download Link and 3 to 8 Days for Pen Drive/SD Card Business Mathematics and Statistics for B Com (Prog) course that covers the latest syllabus as per Delhi University and Other University. This course is taught from the most popular book Business Mathematics and Statistics by J K Thakural which is easily available from book stores. This course covers 10 chapters in Business Statistics and 7 Chapters in Business Mathematics that includes total 96 video lectures, soft copy of study material, quick revision notes, past year board papers, free doubt session and many more. In this Business Maths and Statis for B com Course we start from concepts of the chapter then we take you through basic conceptual questions and finally we take you to advance level questions so that you can face University exams easily and score high marks in the final exam. "We not only teach concepts but also discuss many conceptual questions asked in past 10 Years exam through step by step video tutorials in Hindi & English" Business Maths and Statistics Course is specially prepared for B Com Prog students which are recorded in the presence of many students. All doubts and confusion of students are discussed and cleared in the video. You will enjoy each and every video like you are learning in face to face tuition. Available in for Windows/Android for Windows Desktop/Laptop for Android B.Com Syllabus and SubjectsBachelor of commerce (B. Com.) is a 3 years course. One year has two semesters. Each semester comprises of 6 months. In this article we provide complete details of Bcom syllabus and Bcom subjects. Since there are hundreds of universities and each university follows slightly different syllabus, we have taken Bangalore university as an example below. Readers are advised to scroll down to find exact details on other universities. But, the following article will provide a very good general idea on how a B.Com Subjects and the Syllabus of each Bcom Subject is planned and organised. You can download complete B.Com Syllabus and subjects semester wise by clicking on the image belowMarking Scheme of B Com SubjectsEach subject score will be counted out of 100, which is divided into external and internal. External score has 80 marks and internal assignment has 20 marks adding up to a total of 100 marks. In addition, a university could have further requirement from each subject. Such as Bangalore university mandates that a real case study is completed in each subject. This ensures students learn all relevant skills needed by today's generation both for businesses and personal motivation. Bachelors of Commerce (B.Com) is a 3 years course which can be pursued either full time or part time graduate course. A person who is pursuing this course needs to study 5 to 7 subjects in each semester. One can opt for various combinations depending on the availability of the choices in their institute.B.Com Course EligibilityStudents with 50% in H.S.C examinations (10+2 or 12th) from recognized education board with science, arts or commerce stream can opt for this course.Students who pursued commerce as the core subject in 10th and 12th get preference.B.Com first year Semester 1 syllabus and subjectsThe objective of the 1st semester is to learn about the foundation, skill development or interdisciplinary through the subjects like Constitution of Indian and Human Rights, Environment and Public Health, Computer Applications and Information Technology, Business Entrepreneurship and Management, Philosophy and Psychology and Life Skills.B.Com First semester includes 4 main subjects and 2 additional language subjects. The 4 main subjects are Bcom Accounts, Bcom Economics, BCom Maths/Computer and Bcom Business Communications. Whereas for additional subjects, English is compulsory and student can select any one from other three subjects (Kannada, Hindi, Urdu).Get complete details about B.Com first semester subjects here and downloads materials.B.Com First Semester Subject: Table 1 consist of details about B.Com first semester syllabus and subjects SUBJECT SEMESTER 11ACCOUNTSFinancial Accounting – 12ECONOMICSFundamentals of Microeconomics3 MATHS / COMPUTERMathematics & Statistics-I OR *Mathematics for Finance-I OR Business Computing-I4Management Business management -I5COMPULSORY ENGLISHEnglish for Communication-16 ADDITIONAL ENGLISHLanguage through Literature-17GENERAL AWARENESS – 1An Insight into India8GENERAL AWARENESS – 2Dimensions of Business Studies – 1B.Com first year Semester 2 syllabus and subjectsThe B.Com Second semester objective is to impart basic knowledge also to describe the importance of business laws and fundamental accounting. It has one of the Core Module Syllabus for Environmental Studies and includes classroom teaching and Field Work for six months. Also to successfully clear the exam you need to score a minimum of 35% marks in each theory as well as in practical exam.Subjects included in B.com second semester are Accounts, Economics, Maths/Computers, Management, Compulsory English, additional English, General awareness-1 and General awareness 2. Refer the table below for details information.One can get complete details of B.Com second semester syllabus and subjects here.B.Com Second Semester Subject: Table 2 gives details about B.com second semester syllabus and subjects. SUBJECT SEMESTER 21ACCOUNTSFinancial Accounting – 22ECONOMICSAdvanced Microeconomics3 MATHS / COMPUTERMathematics & Statistics-II OR *Mathematics for Finance-II OR Business Computing-II4ManagementBusiness management -II5COMPULSORY ENGLISHLanguage through Literature-26 ADDITIONAL ENGLISHLanguage through Literature-17GENERAL AWARENESS – 1An Insight into India8GENERAL AWARENESS – 2Dimensions of Business Studies – 2B.Com second year Semester 3 syllabus and subjectsB.com third semester gives the over understanding about corporate accounting, microelectronics, the fundamentals of management elements of company law, basics knowledge on cost accounting, also in the third sem it includes banking and financial system which leads the students to know more about financial institutions in India and Entrepreneurship.To get complete B.Com semester 3 syllabus and subjects here.B.Com Third Semester Subjects: Table 3 provides the details about syllabus and subject for B.com 3rd semester.GROUP "A" – SPECIALIZATION IN COST ACCOUNTING / BANKING AND FINANCIAL SYSTEM/BUSINESS ENTREPRENEURSHIPSUBJECTSEMESTER – 31AccountancyCorporate Accounting-I2EconomicsMacroeconomics-I3Business Management / CommunicationFundamentals of Management4Company LawElements of Company Law- I5Cost AccountingBasics Of Cost Accounting – SpI-I6Banking and Financial SystemsFinancial System & Indian Banking Structure(Paper-I)Financial Institutions in India (Paper-II)7EntrepreneurshipFinancal Institutions in India (Paper-II) Growth of Entrepreneurship (Paper-III)GROUP "B" – SPECIALIZATION IN8Business CommunicationCommunication for Marketing9Marketing ManagementFundamentals of MarketingCustomer Value ManagementNote: Environmental Science will be a Compulsory subject for Semester – 3B.Com Second year Semester 4 syllabus and subjectsFourth-semester classes start from December and last until May. This semester is divided into two groups group A and group B, group A consists of 7 main subjects and group B consists of 2 main subjects.In group A: B.Com corporate accounting-II, macroeconomics-II, Managerial communication, Elements of company Law-II, Basics of cost accounting labor & Overheads SPL -II.Indian banking system and central banking -III is the next. Entrepreneurship subjects are included as well.Group B includes B.com Business Communication and B.com Marketing Management subjects. For complete details refer the below table.Here are complete details of B.Com semester 4 syllabus and subjects.Details of B.com 4th semester syllabus and subjects are as belowGROUP "A" – SPECIALIZATION IN COST ACCOUNTING / BANKING AND FINANCIAL SYSTEM/BUSINESS ENTREPRENEURSHIPSUBJECTSEMESTER – 41AccountancyCorporate Accounting-II2EconomicsMacroeconomics-II3Business Management / CommunicationManagerial Communication4Company LawElements of Company Law- II5Cost AccountingBasics of Cost Accounting Labor & Overheads SpI-II6Methods of Costing – SpI –IV6Banking and Financial SystemsIndian Banking System and Central Banking Paper-III7Financial Markets (Paper-IV)7EntrepreneurshipSuccess Stories in EntrepreneurshipEnvironment for EntrepreneurshipGROUP "B" – SPECIALIZATION IN8Business Communication Brand Management9Marketing ManagementMarketing and Social ResponsibilityB.Com third year Semester 5 syllabus and subjectsB.Com fifth semester is one of the semesters of the third-year state board of commerce education. Fifth-semester classes start for JUNE and end in MAY. B.Com fifth semester has six subjects out of which four are optional subject and five common subjects.Here in B.com 5th sem, we have Accountancy which includes Advance Accounting paper -I, Economics which includes International Economics, BTA which includes details about Income tax paper -I. Than B.Com Cost accounting, B.Com Banking & Financial systems, B.Com Entrepreneurship and lastly B.Com Marketing Management paper.To know detailed B.Com 5th semester syllabus and subjects click here.Details of B.Com 5th Semester Subjects in table 5 belowSUBJECTSEMESTER – V1AccountancyAdvanced Accounting Paper 12EconomicsInternational Economics3BTAIncome Tax Paper 14M. LawFoundation of Mercantile Law – INote: Subjects chosen in S.Y. B. Com. Will continue at T.Y. B. Com.5Cost AccountingMethods and Techniques of Costing – SpI. Paper VTechniques of Costing – SpI. Paper VI6Banking &Financial SystemsBanking law and operations – SpI. Paper VInclusive Financial System – SpI. VI7EntrepreneurshipNew Venture CreationFinancial Management For Entrepreneurship8Marketing ManagementMarketing –An Indian Perspective – SpI. Paper VMarketing of Services – SpI. VIB.Com third year Semester 6 syllabus and subjectsThe sixth semester is the last semester of B.Com course. It has six subjects out of which four optional in which student can select only one subject and have five common subjects.B.com 6th semester includes B.com advance accounting paper 2, B.com Contemporary Indian economics Issue and policies, then B.Com Indirect Taxes paper 2, B.Com Allied concepts in Mercantile Law-II, B.Com Marketing Management. Individual subject details are as below.Complete detail of B.Com sixth semester subjects and syllabus can be found here.B.Com 5th semester syllabus and subjects SUBJECTSEMESTER – VI1AccountancyAdvanced Accounting Paper 22EconomicsContemporary Indian Economic Issues and Policies3BTAIndirect Taxes Paper 24M. LawAllied Concepts in Mercantile Law – II5Cost AccountingStrategic Cost Management – VIIRecent Trends in Cost Accounting – SpI. VIII6Banking &Financial SystemsBanking trends and practice – SpI. VIIInternational Financial SystemAnd Emerging Financial Markets– SpI. VIII7EntrepreneurshipMarketing And Human Resource ManagementStrategic Enterprise Management8Marketing ManagementAdvertising Management – SpI. VIIMarketing-A Global Perspective – SpI. VIIIOther University B.Com Syllabus and Subject detailsThe article above discusses in general how a B Com degree is organised in terms of subjects and syllabus. For specific university please visit the university specific articles below. Universities are arranged in alphabetical order.Annamalai University Bcom Syllabus & subjectsBangalore University Bcom Syllabus & subjectspnBharathiar University Bcom Syllabus & subjectscalicut university Bcom Syllabus & subjectsChrist University Bcom Syllabus & subjectsDavanagere University Bcom Syllabus & subjectsDelhi University Bcom syllabus & subjectsGulbarga University Bcom Syllabus & subjectsJamia Milia Islamia University Bcom SyllabusKarnataka State Open University Bcom Syllabus & subjectsKerala Open University Bcom Syllabus & subjectsNagpur University Bcom Syllabus & subjectsPanjab University Bcom Syllabus & subjectsPune university Bcom syllabus & subjectsRajasthan university Bcom syllabus & subjectsTamilnadu open university Bcom syllabus & Subjects Uttarkhand Open University Bcom Syllabus & Subjects