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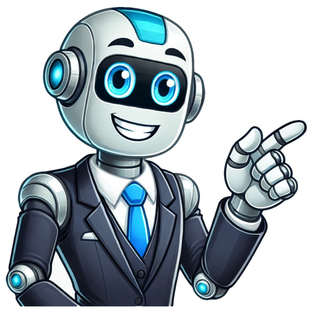

Are you looking for the latest syllabus of BSc 1st year for all the major subjects including Physics, Chemistry, Mathematics, Zoology, Botany, etc.? Well, look no further, because we are here with a comprehensive guide on how to download the BSc 1st year syllabus for all the major subjects of Science degree. Along with the comprehensive breakdown of the syllabus, you will also find download links to the syllabus of all the subjects. We have also tried to accumulate university-wide syllabi for the top 10 universities in India. Follow the below table of contents to discover what you can expect from your first year of a Bachelor of Science! In the below sections, we have covered the detailed syllabus of major BSc 1st year subjects. It includes the syllabus for Physics, Chemistry, Zoology, Botany, Mathematics, IT, Statistics, Biotechnology, Computer Science and agriculture. If you are looking for the syllabus of any other subject, feel free to let us know via the comments section. We will try our best to help you as soon as possible. The syllabus of Physics for BSc 1st year covers Mechanics, Electricity & Theory of Oscillations in the first semester while General Properties of Matter, Magnetism, Waves, and Acoustics are covered in the second semester. Semester ISemester II1. Mechanics1. General Properties of Matter2. Electricity2. Magnetism3. Theory of Oscillations3. Wave & Acoustics Download Links: BSc Physics Syllabus → BSc Physics Hons Syllabus → The syllabus of Chemistry for BSc 1st year is divided into three main parts, Inorganic, organic & physical chemistry. In the first semester, there are two subjects: Atomic structure and chemical bonding from Inorganic chemistry and states of Matter and ionic equilibrium from physical chemistry. The second semester comprises Basics & Hydrocarbons from Organic Chemistry and chemical thermodynamics from Physical Chemistry. Semester ISemester II1. Atomic Structure & Chemical Bonding (Inorganic)1. Basics & Hydrocarbons (Organic)2. States of Matter & Ionic Equilibrium (Physical)2. Chemical Thermodynamics & its Applications (Physical) Download Links: BSc Chemistry Syllabus → BSc Chemistry Hons Syllabus → Zoology is the scientific study of animals, including their behavior, physiology, anatomy, and evolution. Its goal is to understand how animals interact with each other, their environment, and humans. The syllabus of Zoology for semester I consists of Non-chordates (Protista to Pseudocoelomates) & Principles of ecology. On the other hand, semester II comprises Non-chordates & Cell biology. Semester ISemester II1. Non-chordates I: Protista to Pseudocoelomates1. Non-chordates II: Coelomates2. Principles of Ecology2. Cell Biology Download Links: BSc Zoology Syllabus → BSc Zoology Hons Syllabus → Botany encompasses a wide range of scientific disciplines, including ecology, physiology, genetics, and molecular biology, among others. It is the scientific study of plants, including their structure, growth, reproduction, biochemistry, and distribution Botanical research has applications in agriculture, horticulture, medicine, industry, and conservation. The detailed syllabus of Botany for 1st year is divided into two semesters. The first semester consists of Algae, Fungi, and bryophyta & subjects in the second semester are microbiology, pteridophyta, gymnosperms & paleobotany. Semester ISemester II1. Algae1. Microbiology2. Fungi2. Pteridophyta3. Bryophyta3. Gymnosperm & Paleobotany Download Links: BSc Botany Syllabus → BSc Botany Hons Syllabus → In BSc 1st year, the mathematics is somewhat similar to the mathematics of 10+2. In the first semester, you will get to learn about Elementary algebra, trigonometry, differential calculus, geometry & vector analysis. On the other hand, in semester II, the syllabus comprises Group theory, Integral calculus & analytical geometry. Semester ISemester II1. Elementary Algebra & Trigonometry1. Group Theory2. Differential Calculus2. Integral Calculus3. Geometry & Vector Analysis3. Analytical Geometry Download Links: BSc Mathematics Syllabus → BSc Mathematics Hons Syllabus → IT stands for Information Technology and is a broad field encompassing all aspects of managing and processing information and data. It includes hardware, software, networks, and other technical fields. IT is involved in the development of computer systems, networks, databases, and other related technologies. In the first year, students will get to learn about the Fundamentals of IT, Office automation & principles of programming languages in semester I. On the other hand, semester II comprises Computer organization & architecture, C programming & basics of Computer networks. Semester ISemester II1. Fundamentals of IT1. Computer Organization & Architecture2. Office Automation2. Programming through C3. Principles of Programming Languages3. Basics of Computer Networks Download Links: BSc IT Syllabus → Statistics is the science of collecting, organizing, analyzing, interpreting, and presenting data. It involves using mathematical and computational methods to identify patterns and trends in data sets. The main subjects in BSc Statistics during the first year are: Descriptive Statistics, Probability, Regression Analysis, Applied statistics, statistical computing & data visualization. Semester ISemester II1. Descriptive Statistics1. Probability and Probability Distributions2. Calculus2. Algebra Download Links: BSc Statistics Syllabus → Biotechnology is the use of living systems and organisms to develop or make products, or "any technological application that uses biological systems, living organisms, or derivatives thereof, to make or modify products or processes for specific use" (UNESCO). It is a broad field and includes the use of biological processes for the production of food, fuel, and other products, as well as the development of various medical, agricultural, and environmental technologies. Semester ISemester II1. Biochemistry & Metabolism1. Mammalian Physiology2. Cell Biology2. Plant Physiology Download Links: BSc Biotechnology Syllabus → The syllabus of computer science for BSc 1st year is quite similar to that of BSc It. You will get to learn mostly about programming language during the BSc Computer Science course. In semester I, you will learn C & C++ along with Computer system architecture while Java & discrete structures are covered in semester II. Semester ISemester II1. Programming Fundamentals using C/C++1. Programming in JAVA2. Computer System Architecture2. Discrete Structures Download Links: BSc CS Syllabus → BSc in Agriculture is a three-year undergraduate degree program that focuses on the study of crops, soil, and other aspects of agricultural production. This degree program covers topics such as plant physiology, animal nutrition, soil science, agroeconomics, plant pathology, crop protection, and agricultural engineering. It also includes courses in business administration, farm management, and marketing. Students who complete this degree are prepared to work in a variety of agricultural-related areas, including research, education, government, and private industry. The syllabus of BSc agriculture for Semester I & II is described in the below table. Semester ISemester II1. Fundamentals of Agronomy-I1. Fundamentals of Agronomy-II 2. Introduction to Meteorology & Climate Change2. Fundamentals of crop physiology 3. Livestock Production & Management3. Fundamentals of Agricultural Economics 4. Rural Sociology & Educational Psychology4. Soil and Water Conservation Engineering5. Fundamentals of Horticulture5. Fundamentals of Entomology6. Comprehension & Communication Skills in English6. Fundamentals of Agricultural Extension Education7. Introductory Microbiology 7. Fundamentals of Genetics 8. Fundamentals of Soil Science8. Fundamentals of Plant Pathology Download Links: BSc Agriculture Syllabus → The university-wise BSc syllabus for 1st year students is given in the below table. At present, we have only included the syllabus of the top 10 universities in India. In case you are looking for the syllabus of your university, leave a comment below this post & we will try our best to help you as soon as possible. What are the subjects in the first year of BSc? Some of the top BSc subjects that you can study in BSc 1st year include Physics, Chemistry, Mathematics, Zoology, Botany, CS, IT, Agriculture, and biotechnology. How can I download the BSc 1st Year 2023 syllabus in pdf format? You can either visit the official website of your university or download the syllabus from our website directly. Please note that the syllabus available on our website is not for any specific university. However, it is a common syllabus offered by UGC. How to download the BSc 1st year syllabus for my university? Visit your university website & then visit the Faculty section. Under the faculty section, select your subject & you will be redirected to another page from where you can download your university syllabus directly. This process varies from university to university. Is the BSc 1st year syllabus free to download? Yes, the BSc 1st year syllabus for all the subjects is completely free to download. From where can I download books for BSc 1st Year? If you are looking for books for the BSc 1st year, consider visiting this link. Through this post, we have tried our best to give you an overview of the syllabus for BSc 1st year. You can use the download links to download the syllabus of BSc 1st year for any subject of your choice. In case you are looking for the university-wise syllabus & your university is not listed on this post, please feel free to leave a comment below this post & we will do our best to help you! Fullonstudy Team is a passionate team of educators, content creators, and students, committed to bringing you reliable, up-to-date, and accessible study resources. With a blend of academic knowledge, teaching experience, and a focus on simplifying complex topics, we are here to help guide you through your educational journey.Other key team members who influence the content you read on our website include those in charge of research, content writing, editing, curriculum design, website development, and user experience. We also collaborate with experts in various academic fields to ensure the accuracy and relevance of our resources. The BSc syllabus in India includes a combination of courses in the chosen field of study such as Physics, Chemistry, Maths, Zoology, Botany, Computer Science, Nursing, Microbiology, and more. The Bachelor of Science course curriculum is structured over six semesters providing students with an extensive understanding of the theoretical and practical coursework. The B.Sc subjects are offered as core and elective courses. Core courses include 12 papers with four from each of three disciplines chosen. Elective subjects allow specialization, with 6 papers selected from disciplines of interest. In addition, students can undertake Ability Enhancement Courses and Skill Enhancement Courses. The B.Sc course structure is based on the UGC recommendation and the syllabus structure differs depending on the institutions and chosen specialization. Some of the popular BSc courses offered by colleges in India include BSc Mathematics, BSc Physics, BSc Chemistry, BSc Computer Science, BSc Zoology, BSc Biotechnology, and more. Table of Contents The BSc syllabus followed in most institutions in India is based on the recommendations made by the UGC. The syllabus of BSc is designed to provide students with a comprehensive knowledge in science and related subjects while providing avenues for specialization in various fields of science. The BSc syllabus is divided into majors and minors through a blend of core and elective courses. The BSc curriculum includes practical learning experiences including laboratory work, research projects, and internships. BSc Syllabus for Top Specialization The BSc subjects differ based on the field of study selected by the students. Some of the common BSc course specializations include BSc Mathematics, BSc Computer Science, BSc Physics, BSc Chemistry, BSc Zoology, and more. Below listed are the BSc syllabus for some of the popular areas of specialization. BSc Mathematics Syllabus The BSc Mathematics syllabus covers important topics such as Algebra, Calculus, Trigonometry, and more. Below listed is the semester wise BSc Mathematics syllabus followed by the institutions in India. Semester I Semester II English- I English- II Calculus Analytical Geometry of Three Dimension Algebra-I Geometry & Vector Calculus Trigonometry Calculus- II Semester III Semester IV Algebra-II Mathematical Analysis Calculus-II Static & Dynamic Set Theory and Theory of Equations Vector Analysis Differential Equations Riemann Integration and Series ofFunctions Computer Graphic (Elective) Ring Theory and Linear Algebra I Semester V Semester VI Real Analysis Complex Analysis and Ring Theory Elementary Number Theory & Advanced Algebra Advanced Calculus Complex Analysis Complex Analysis-II Numerical Methods Practical using C Programming in C Language Human Rights and Mathematics for Environmental Studies (Elective) Graph Theory and Metric Spaces Partial Differential Equations andApplications Project Work Read more: BSc Mathematics Syllabus BSc Computer Science Syllabus The BSc syllabus for Computer Science deals with topics such as Statistics, Programming, Data Analysis, etc. The B.Sc Computer Science syllabus is detailed in the table below. Semester I Semester II Introduction to Digital Electronics Front Office Management Basics of Computer Science Discrete Mathematics Environmental Sciences Computer Organization Foundation course in Mathematics Fundamental of Open Source Software-LINUX English Value and Ethics Semester III Semester IV Object-Oriented Programming using C++ Database Management Systems Operating Systems Concepts Introduction to Computer Network Introduction to Data Structures Numerical Analysis System Analysis and Design System Programming Technical Writing Report Writing(Yantra) Analytical Skill Development-I Analytical Skill Development-II Semester V Semester VI Python Programming Introduction to Web Technology Introduction to Software Engineering Project Work Mobile Application Development - Personality Development Program - Minor Project-I - Read more: BSc Computer Science BSc Physics Syllabus The BSc Physics syllabus covers important topics such as Waves, Optics, Kinetic Theory, Thermodynamics, and more. Below listed is the semester wise BSc syllabus for Physics. Semester I Semester II Properties of Matter and Acoustics Mechanics-II Allied Mathematics – I Allied Mathematics – II Mechanics-I Environmental Studies Electricity and Magnetism Optics Electro-Magnetic Induction and Electronic Devices Thermal Physics and Oscillations Semester III Semester IV Mathematics-I Mathematics-III Analog Systems and Application Allied Chemistry-II Thermal and Statistical Physics Physical Optics-II Allied Chemistry-I Digital Systems and Applications Sound Waves, Applied Acoustic, Ultrasonic and Power Supply Modern Physics Elements Practicals/Lab Work Practicals/Lab Work Semester V Semester VI Solid State Physics-I Nuclear Physics-II Electricity & Magnetism Applied Mechanics Electrodynamics and Electronics-II Quantum Mechanics and Relativity Nuclear Physics-I Solid State Physics-II Quantum Mechanics Advanced Advanced Thermal and Statistical Physics Practical/Lab Work Practical/Lab Work Minor Project Project Read more: BSc Physics Syllabus BSc Chemistry Syllabus The BSc syllabus for Chemistry focuses on topics such as Organic and Inorganic Chemistry, Physical Chemistry, Materials Concepts, and more. Below listed is the semester wise BSc Chemistry syllabus. Semester I Semester II Chemistry Fundamentals Medicinal Chemistry Fundamentals Physical Chemistry Principles Concept of Biochemical Analysis Quantitative Analysis Qualitative Analysis Practical/Laboratory Work Practical/Laboratory Work Semester III Semester IV Understanding Instrumental Analysis Physical Chemistry-II Inorganic Chemistry-I Organic Chemistry-II Organic Chemistry-I Advanced Materials Concept Biostatistics Quantum Mechanics and Analytical Techniques Physical Analysis Concepts Environmental Studies Practical/Laboratory Work Practical/Laboratory Work Semester V Semester VI Organic Chemistry-III Physical Chemistry-IV Physical Chemistry-III Spectroscopic Methods Analytical Chemistry Concept-I Analytical Chemistry Concept-II Elective-I Elective-III Elective-II Elective-IIV Understanding Organic Synthesis-A Understanding Organic Synthesis-B Practical/Laboratory Work Practical/Laboratory Work Read more: BSc Chemistry Syllabus BSc Zoology Syllabus The BSc Zoology syllabus deals with important topics such as Anatomy, Genetics, Cell Biology, and more. The BSc syllabus for Zoology is detailed in the table below. Semester I Semester II Life and Diversity of Animals-Nonchordates(Protozoa to Annelida) Life and Diversity of Animals- Nonchordates(Arthropoda to Hemichordata) Invertebrate Zoology-I Invertebrate Zoology-II Animal Discovery Comparative Anatomy and Development Biology ofVertebrates Semester III Semester IV Life and Diversity of Animals-Chordates(Protochordata to Amphibia) Life and Diversity of Animals-Chordates (Reptilia,Aves and Mammals) Vertebrate Zoology –I Vertebrate Zoology –II Physiology, Biochemistry and History Genetics and Evolutionary Biology Semester V Semester VI General Mammalian Physiology I Reproductive Biology Cell Biology General Mammalian Physiology II Applied Zoology and Ethology Research/Project Elective-I Elective-II Value Education Practical/ Laboratory Work Practical/ Laboratory Work - Read more: BSc Zoology Syllabus Other Important B.Sc Specializations Syllabus: Read more: List of all BSc Specializations The BSc subjects usually include Mathematics, Physics, Chemistry, Biology, Computer Science, Environmental Science, Zoology, Botany, etc. However, these subjects may vary depending on the specialization and university offering the BSc course. BSc Core Subjects Below listed are the core BSc subjects and the topics covered under popular BSc specializations such as BSc Physics, BSc Chemistry, BSc Maths, BSc Zoology, and more. Specialization Core Subjects Topics Covered Physics Properties Of Matter And Mechanics Allied Mathematics Mechanics Thermal Physics Mathematical Physics Allied Chemistry Electromagnetism Quantum Mechanics Wave & Optics, Newton Mechanics, Laws of Thermodynamics, Special Relativity, Nuclear Structure, Entropy, Polarization, Wave Particle Duality Chemistry Chemistry Fundamentals Inorganic Chemistry Instrumental Analysis Physical Chemistry Quantitative and Qualitative Analysis Medicinal Chemistry Biochemical Analysis Biostatistics Atomic Structure, Molecular Geometry, Spectroscopy, Chemical Kinetics, Surface Chemistry, Drug Development, Bioorganic Chemistry, Biomolecules, Nanomaterials, Organic Synthesis Methods Mathematics Calculus Probability Statistics Algebra Linear Differential Equations Matrices Analytical Geometry Fourier Analysis Metric Space Ring Theory Complex Analysis Linear Algebra Limit and Continuity, Leibnitz's Theorem, Rolle's Theorem, Finite and Infinite Set, Continuous Functions, Integration, Differential and Partial Differentiation, Boolean Algebra, Random Variables Zoology Life and Diversity of Animals-Nonchordates Environment Biology Invertebrate Zoology Plant Diversity Vertebrate Zoology Animal discovery Comparative Anatomy and Developmental Biology of Vertebrates Life and Diversity of Animals-Chordates Animal Diversity, Animal Physiology, Animal Behaviour, Animal Ecology, Developmental Biology, Evolutionary Biology, Genetics and Evolutionary Biology, Reproductive Endocrinology, Reproductive Biology Botany Microbes, Algae, Fungi, and Bryophytes Pteridophytes, Gymnosperms, and Angiosperms Morphology, Anatomy, and Embryology Cytogenetics and Plant Breeding Molecular Biology and Plant Biotechnology Plant Physiology Plant Ecology Plant Anatomy, Gymnosperms, Pollination, Plant Physiology, Biometrics, Taxonomy, Cell Biology, Gene Mutations, Microorganisms, Plant Disease Epidemiology, Quantitative Inheritance Computer Science Advanced Programming using Python Discrete Mathematics Computer Graphics C++ Programming Java Programming Database Management Systems Software Engineering OOP, Data Structures, GUI Programming, Set Theory, Graph Theory, 2D and 3D Transformations, STL, Exception Handling, Java Syntax, Data Types, SQL Programming Biotechnology Introductory Biological Chemistry Microbiology and Macromolecule Biodiversity and Taxonomy Animal and Plant Physiology Recombinant DNA Technology Introductory Biological Chemistry DNA Typing, Proteomics, and Beyond Biological Chemistry Biodiversity and Taxonomy Biostatistics Biomolecules Structures, Enzyme Kinetics, Microbial Morphology, Homeostasis, DNA Isolation, Recombinant Protein Production, DNA Fingerprinting Techniques, Genomic and Proteomic Techniques, Bioinformatics Microbiology Microbial physiology Microbial genetics Immunology Genetics engineering Biotechnology Molecular biology Bioinstrumentation General microbiology Metabolic Processes and Functions of Microorganisms, Microbial Growth, Microbial Genetics, Genetic Variation, Immune System, Immunopathology, Genetic Engineering in Microbiology, Microbial Cultivation BSc Elective Subjects The BSc course offers specialization in various disciplines offering a range of elective subjects in addition to core BSc subjects listed above. The BSc elective subjects covered are listed in the table below. Specialization Elective Subjects Topics Covered Physics Astro-Physics Energy Physics Materials Science Renewable Energy Atmospheric Physics Classical Dynamics Medical Physics Celestial Mechanics, Fluid Dynamics, Nanomaterials, Semiconductors, Solar Energy, Numerical Methods, Atmospheric Modeling, Radiation Therapy, Newtonian Mechanics, Central Force Motion Chemistry Agriculture Chemistry Forensic Science Biochemistry Fuel Chemistry Chemical Engineering Molecular Modelling and Drug Design Crop Protection Chemicals, Agrochemical Analysis, Forensic Toxicology, Enzyme Kinetics, Quantum Chemical Calculations, Fuel Cell Technology, Chromatographic Techniques, Green Nanotechnology Mathematics Analytical Geometry Vector Calculus Theory of Equations Probability and Statistics Mathematical Finance Transportation and Game Theory De Morgan's Law, Equivalence Relations, Synthetic Division, Ordinary Derivatives of Vectors, Cross Product and Triples Product of Vectors Zoology Chemistry Economic Zoology Aquaculture Medical Diagnostics Aquarium Fish Keeping Biotechnology Zoogeography Wildlife Conservation Biological Systems, Role of Animals in Agriculture, Industry, Aquatic Organisms, Lab Tests, Imaging Technologies, Medicine, Conservation Strategies Botany Seed Biology Pomology Ethnobotany Bioinformatics Economic Botany Environmental Biotechnology Plant Tissue Culture Horticulture and Postharvest Technology Seed Development, Seed Dispersal Mechanisms, Fruit Anatomy, Fruit Breeding, Medicinal Plants, Ethnobotanical Knowledge, Genomic and Proteomic Databases, Biofertilizers, Plant Breeding, Postharvest Physiology Computer Science Computer Graphics Resource Management Techniques E-Commerce Cloud Computing Security in Information Technology Computer Networks Software Engineering and Testing CPU Scheduling Algorithms, File System Organization and Optimization, E-Commerce Business Models, Cloud Service Models, Virtualization Technologies, Intrusion Detection, LAN and WAN Technologies, Testing Methodologies Biotechnology Nanotechnology Scientific Writing Enzyme Technology Biotechnology for Forensics Biofertilizer Technology Ecology Biostatistics and Bioinformatics Nanoscience, Nanomaterials Synthesis, Immobilization Techniques for Enzyme Stabilization, DNA Profiling Techniques, Biofertilizer Evaluation, Population Ecology, Biological Data Analysis Microbiology Fundamentals of Microbiology Biochemistry Cell biology Clinical Biochemistry Economic and Medical Entomology Bacterial Physiology and Metabolism Food and Dairy Microbiology Microbial Cell Structure, Biomolecules, Clinical Chemistry, Biochemical Markers of Diseases, Blood Chemistry Analysis, Microorganisms in Food and Dairy Products, Fermentation Process, Foodborne Pathogens BSc Distance Education Syllabus The BSc Distance Education program is an undergraduate degree that spans a period of 3 - 6 years. The program offers flexibility for students who cannot attend regular classes. Some of the popular BSc Distance Education courses include BSc IT, BSc Mathematics, BSc Psychology, etc. The Bachelor of Science Distance Education syllabus followed by most colleges in India is given below. Semester I Semester II English English Physics I Physics II Mathematics I Mathematics III Mathematics II Mathematics IV Computer Science I Computer Science II - Skill Enhancement Course Semester III Semester IV Physics III Physics IV Mathematics V Mathematics VII Mathematics VI Mathematics VIII Computer Science III Computer Science IV Ability Enhancement Compulsory Course I Ability Enhancement Compulsory Course II Semester V Semester VI Elements of Chemistry Physics VI Human Resource Management & Organizational Behaviour Mathematics IX Statistics Computer Science VI Skill Enhancement Course III Inference Theory Skill Enhancement Course IV Physics / Computer Science / Mathematics X BSc Course Structure The B.Sc syllabus is focused on providing students with specialized knowledge and hands-on training in a variety of fields. The BSc subjects 1st year provide a fundamental review of 10+2 fundamentals and introduce some cutting-edge ideas in the field. Along with the required dissertation submission and viva voce, the programme also includes CBCS electives, which provide possibilities for students to choose subjects often in the third year. The BSc course outline consists of: VI Semesters Core and Elective Subjects Practical Training Projects Internship B.Sc Teaching Methodology and Techniques The Bachelor of Science teaching methods encompass a range of strategies such as traditional lectures, case studies, experimental learning, and more aimed at providing an extensive understanding of the syllabus. Below listed are the BSc teaching methodologies and techniques used in the curriculum. Traditional Lectures Problem-Based Learning Laboratory Experiments Group Projects Group Discussions/Interactive Sessions Field Trips Research Projects Seminars B.Sc Projects Research projects are essential for determining how much knowledge is applied practically and connecting the subject to a certain sector. Practical learning also helps students comprehend more about the functions of industries and the stages of product development. Interdisciplinary project work is another option, which will broaden students' understanding by incorporating different specialities. Below are some popular BSc project topics: Design of Computerized Taxation and Application of Insurance Food Court Automation using Android Design of Two System Intercom Impact of New Product Development on an Organization BSc Book The BSc books help students understand the concepts and topics covered in the syllabus. There are numerous BSc reference books that students can refer to based on their specializations. Below listed are some of the best BSc books for common BSc subjects. Books Author Topics Covered Calculus and Analytic Geometry G.B. Thomas and R.L. Jinney Limits and Continuity, Derivatives, Application of Derivatives, Integration Modern Physics John R. Taylor, Chris D. Zafiratos Special Relativity, Quantum Mechanics, Atomic Physics, Nuclear Physics, Particle Physics Concise Inorganic Chemistry J.D. Lee Atomic Structure, Periodicity, Chemical Bonding, Coordination Chemistry Genetics P.K. Gupta Principles of Genetics, Mendelian Inheritance, DNA Structure Theory of Computer Science K. L. P. Mishra and N. Chandrasekaran Automata, NLP, Computation Techniques, Data Structures Under the BSc course syllabus, students get to cover both foundational, as well as domain-related science subjects. The BSc programme syllabus is divided into six semesters as per the guidelines given by UGC NET so that students can grasp the basics and their domain-related knowledge slowly and steadily. The BSc course specializations determine the subjects under this course. Some of the most popular BSc course specializations are BSc Chemistry, BSc Biology, BSc Physics, BSc Microbiology, BSc Biotechnology, BSc Microbiology, BSc Zoology, BSc Botany, etc. Check out the detailed syllabus for the respective BSc courses as you scroll through this article.BSc Computer Science Subjects & SyllabusBSc Computer Science or the Bachelor of Science in Computer Science is a three-year programme that is divided into 6 semesters. During these 6 semesters, students are taught about different programming languages, database management systems, networking techniques, software development, software engineering, computing theory, artificial intelligence, etc. Check out the BSc subjects 1st year, 2nd year, and 3rd year subjects for Computer Science below:BSc Computer Science First Year Syllabus:The table below contains the list of BSc Computer Science subjects in the first year (semester 1 and semester 2):BSc Computer Science Second Year SyllabusThe table below contains the list of BSc Computer Science subjects in the second year (semester 3 and semester 4):BSc Computer Science Third Year SyllabusThe table below contains the list of BSc Computer Science subjects in the third year (semester 5 and semester 6):BSc Biotechnology Subjects & SyllabusBSc Biotechnology is a three-year course that teaches students about biological processes such as the genetic manipulation of microorganisms to produce antibiotics, hormones, and other similar subjects. Check out the detailed semester-wise BSc course syllabus for the Biotechnology course given below:BSc Biotechnology First Year Syllabus:The table below contains the list of BSc Biotechnology subjects in the first year (semester 1 and semester 2):BSc Biotechnology Second Year SyllabusThe table below contains the list of BSc Biotechnology subjects in the second year (semester 3 and semester 4):BSc Biotechnology Third Year SyllabusThe table below contains the list of BSc Biotechnology subjects in the third year (semester 5 and semester 6):BSc Maths Subjects & SyllabusBSc in Mathematics is a three-year degree course that teaches students about trigonometry, data analysis, calculus, algebra, and developing mathematical skills. Check out the detailed semester-wise BSc course syllabus for the BSc in Mathematics programme here:BSc Maths First Year Syllabus:The table below contains the list of BSc Maths subjects in the first year (semester 1 and semester 2):BSc Maths Second Year SyllabusThe table below contains the list of BSc Maths subjects in the second year (semester 3 and semester 4):BSc Maths Third Year SyllabusThe table below contains the list of BSc Maths subjects in the third year (semester 5 and semester 6):BSc Agriculture Subjects & SyllabusThe BSc Agriculture course teaches students about sustainable farming practices, conducting research in the agricultural fields, managing agri-partnerships, and more. With the help of this course, students will be able to learn about farm produce and grow it on their own. Check out the detailed BSc programme syllabus in the tables attached below:BSc Agriculture First Year Syllabus:The table below contains the list of BSc Agriculture subjects in the first year (semester 1 and semester 2):BSc Agriculture Second Year SyllabusThe table below contains the list of BSc Agriculture subjects in the second year (semester 3 and semester 4):BSc Agriculture Third Year SyllabusThe table below contains the list of BSc Agriculture subjects in the third year (semester 5 and semester 6):BSc IT Subjects & SyllabusUnder the BSc IT course, students are taught about databases, networking, software, etc. This course allows students to explore this field in depth. Check out the detailed BSc programme syllabus for the IT course for each semester here:BSc IT First Year Syllabus:The table below contains the list of BSc IT subjects in the first year (semester 1 and semester 2):BSc IT Second Year SyllabusThe table below contains the list of BSc IT subjects in the second year (semester 3 and semester 4):BSc IT Third Year SyllabusThe table below contains the list of BSc IT subjects in the third year (semester 5 and semester 6):BSc Physics Subjects & SyllabusBSc Physics or Bachelor of Science in Physics is a three-year programme that teaches students about theoretical as well as experimental courses in the field of Physics. Check out the semester-wise BSc Physics programme subjects and syllabus below:BSc Physics First Year Syllabus:The table below contains the list of BSc Physics subjects in the first year (semester 1 and semester 2):BSc Physics Second Year SyllabusThe table below contains the list of BSc Physics subjects in the second year (semester 3 and semester 4):BSc Physics Third Year SyllabusThe table below contains the list of BSc Physics subjects in the third year (semester 5 and semester 6):BSc Nursing Subjects & SyllabusBSc Nursing is a four-year degree programme that lasts for 8 semesters. Students who wish to enter the nursing field should pursue this programme. Check out the semester-wise BSc programme syllabus for the Nursing course given below:BSc Nursing First Year Syllabus:The table below contains the list of BSc Nursing subjects in the first year (semester 1 and semester 2):BSc Nursing Second Year SyllabusThe table below contains the list of BSc Nursing subjects in the second year (semester 3 and semester 4):BSc Nursing Third Year SyllabusThe table below contains the list of BSc Nursing subjects in the third year (semester 5 and semester 6):BSc Nursing Fourth Year SyllabusThe table below contains the list of BSc Nursing subjects in the fourth year (semester 7 and semester 8):BSc Chemistry Subjects & SyllabusThe study of Inorganic Chemistry, Organic Chemistry, Physical Chemistry, and Analytical Chemistry, as well as electives such as Analytical Methods in Chemistry, Polymer Chemistry, and Industrial Chemicals and Environment, is the focus of the BSc Chemistry course. Here is the BSc chemistry syllabus and subjects 1st year and all subsequent years:BSc Chemistry First Year Syllabus:The table below contains the list of BSc Chemistry subjects in the first year (semester 1 and semester 2):BSc Chemistry Second Year SyllabusThe table below contains the list of BSc Chemistry subjects in the second year (semester 3 and semester 4):BSc Chemistry Third Year SyllabusThe table below contains the list of BSc Chemistry subjects in the third year (semester 5 and semester 6):BSc Biology Subjects & SyllabusThe BSc Biology course syllabus focuses on cell and molecular biology, biochemistry, and other similar topics. Check out the detailed BSc programme subjects and syllabus in the table attached below:BSc Biology First Year Syllabus:The table below contains the list of BSc Biology subjects in the first year (semester 1 and semester 2):BSc Biology Second Year SyllabusThe table below contains the list of BSc Biology subjects in the second year (semester 3 and semester 4):BSc Biology Third Year SyllabusThe table below contains the list of BSc Biology subjects in the third year (semester 5 and semester 6):BSc Microbiology Subjects & SyllabusBSc Microbiology is a three-year course under which a student gets to learn about different kinds of bacteria, viruses, microbes, protozoa, fungi, etc. Read the semester-wise syllabus for the Microbiology BSc programme syllabus in the table attached below:BSc Microbiology First Year Syllabus:The table below contains the list of BSc Microbiology subjects in the first year (semester 1 and semester 2):BSc Microbiology Second Year SyllabusThe table below contains the list of BSc Microbiology subjects in the second year (semester 3 and semester 4):BSc Microbiology Third Year SyllabusThe table below contains the list of BSc Microbiology subjects in the third year (semester 5 and semester 6): Sounak Banerjee Associate Content Manager | Updated on - May 14, 202515 May, 2025 jee advanced on all courses, slug and listing 14 May, 2025 courses + slug testing 14 May, 2025 BSc course and slug testing BSc course is a 3-year undergraduate program that helps students to get a holistic and theoretical understanding of subjects. BSc Subjects are divided into 6 semesters. The BSc course syllabus is a mix of theoretical, practical as well as research-based subjects. BSc Syllabus depends on the specialization selected by the student. There are many specialisations available for students such as BSc Nursing, BSc Agriculture, BSc Computer Science, BSc Biotechnology, BSc IT, BSc Microbiology, BSc Psychology, BSc Physics, BSc Zoology etc. Students are taught through various methods such as theory, laboratory, project, internships etc. See Also: BSc Course Details The specialisation courses that are offered in BSc are: BSc Nursing - BSc Nursing course is a bachelor's degree program that trains students in areas of critical care and incorporates values necessary to become nurses and midwives. The course has 6 months of mandatory internship. BSc Agriculture - This course aims to provide training to implement modern agricultural techniques and technologies in real-world scenarios. The course primarily focuses on research and practices in agricultural science, dealing with disciplines such as Genetics and Plant Breeding, Agricultural Microbiology, Soil Science, Plant Pathology, etc. BSc Computer Science - The 3 years BSc Computer Science course allows the candidates to learn about the different architectures related to computer networking, operating system, and programming languages. The course can also be pursued as a replacement for BTech in Computer Science. BSc Biotechnology -BSc Biotechnology provides students with good insights into modern biology. This course provides training to students in the area of Molecular Biology, Genetic Medicine and Biotechnology. BSc IT - BSc IT provides a detailed study of software testing, software engineering, databases programming, software development, web designing, computer networks and computer systems. BSc Microbiology - BSc Microbiology provides students with detailed knowledge of microorganisms and their effect on the human body in the course. There is a great focus on the microorganisms that cause diseases in humans in the course. BSc Psychology - BSc Psychology course focuses on the study of the mind, emotions, social development and the individuality of a human being. It provides fundamental knowledge of the human brain and its reactions. BSc Forensic sciences - BSc Forensic Science is a 3-year graduate course that involves the application of scientific knowledge for crime investigation and it mainly focuses on crime-laboratory-based professions. BSc Chemistry - Candidates will get an understanding of all the basic concepts that they have studied in school with an in-depth knowledge of those topics and an understanding of new dimensions of chemistry as well. The course deals with different aspects of Chemistry including organic chemistry and inorganic chemistry. BSc Physics - BSc physics is a three-year undergraduate course that deals with the fundamentals of physics and teaches graduates essential topics such as quantum mechanics, Electromagnetism, optics, calculus semiconductors, waves, statistics, etc. BSc Nautical science- BSc Nautical science covers the concept of nautical motion, navigation and operational process that are required in the development, management, operation, and maintenance of marine vessels BSc Forestry - BSc Forestry gives the students practical knowledge of healthy growth and maintenance of forested land, woodlands and parks. The forestry program trains students in managing forests, growing new plantations, maintaining old plantations and other natural resources. BSc Mathematics - B.Sc Mathematics is a 3-year duration undergraduate course that deals with the discipline of mathematics along with the analysis of numbers. It also includes mathematical structure, transition, and space. BSc Zoology - Bachelor of Science in Zoology is a three-year undergraduate program that deals with the advanced study and research in the field of Biological Oceanography, Ecology, Competitive Physiology, Developmental and Cell Biology, Vertebrate and Invertebrate Zoology etc. BSc Biology - BSc Biology course is designed to impart knowledge pertaining to ecology, biodiversity, botany and genetics BSc Optometry - BSc Optometry educates students in the field of optics and eye care.The duration of the course is three years (four years in some universities which include one year of internship). BSc Statistics - BSc Statistics is a UG course that allows students to understand, learn and use knowledge of statistics and mathematics to have a successful career. The course provides extensive knowledge in concepts of Mathematics, Probability, and Statistics along with logic and proofs. BSc Food technology - BSc Food technology course covers an advanced study of techniques and activities which are involved in the Preserving, Processing, and Manufacturing of food. Some of the topics covered in the course are Packaging technology, Food microbiology, Food chemistry, and dairy technology etc See Also: Admissions to BSc courses BSc distance education BSc Books in 1st Year The important books for BSc 1st year are Specialisation Books Name Author BSc IT Computer Organization & Architecture –Designing & Performance William Stallings, Prentice Hall of India. Digital Electronics-An Introduction to Theory and Practice William H.Gothmann, Prentice Hall of India Discrete Mathematics and its Application Kenneth H.Rosen Discrete Mathematics, Schaum Series Object Oriented Programming Robert Lafore Programming in C Schaum Series Software Engineering- A Practitioners Approach R. Pressman, McGraw Hill . An Integrated Approach to Software Engineering Pankaj Jalote, Narosa Operating Systems with case Studies Achyut S Godbole,TMG. The Unix Programming Environment Pike rob & Kerningham Brain. Database Systems and Concepts Henry F. Korth Principles of Database System Ullman, Galgotia Publication BSc Food technology Functioning in English Book I & II Dr. P. Bhaskaran, Emerald Publishers, 2018 Environmental Chemistry, 2nd edition, Prentice-Hall of India, New Delhi. Banerjee SK (2005) A Text Book of Environmental Chemistry and Pollution Control, S. Chand & Company, New Delhi Dara SS (2005) Statistical Methods S.P. Gupta, Sultan 2000 Operations Research Hira and Gupta, S. Chand, 2015 Advanced Accountancy T.S. Grewell, 2016. Food Analysis: Theory and Practice. Y. Pomeranz& C.E. Meloan, Chapman and Hall, 2004. Introduction to Food Analysis S. Suzanne Nielsen, West Lafayette, IN 47907-2009, USA,n 2009. Food science, New Age International Publishers (India), 2003 B.Srilakshmi Foods : Facts and Principles - New Age Publishers, 2004 N Shakuntalamanay, M. ShadaksharaSwamy Lehninger's Principles of Biochemistry David L. Nelson and Michael M. Cox, Macmillan Worth publisher, 2000. Biochemistry, 4th Edition, WH. Freeman and co., 2000. LubertStryer Harper's Biochemistry, 2003. Murray, R.K., Granner, B.K., Mayes, P.A., Rodwell, V.W., BSc Agriculture A General Text Book of Entomology A.D. Imms Text Book of Agricultural Entomology P.M..Srivastava and Ashok Kumar BSc Computer Science Fundamentals of Database Systems 6th Edition, Pearson Education, 2010. R. Elmasri, S.B. Navathe, Database Management Systems 3rd Edition, McGraw-Hill, 2002. R. Ramakrishanan, J. Gehrke Operating Systems

computing - Cloud Computing skills are in demand and Students can work as a cloud developer, cloud administrator, and cloud architect. Knowledge of the cloud platforms such as AWS, Google Cloud, Microsoft Azure, and Oracle can be useful for students. Machine learning - Machine Learning is a skill that is useful for programmers and data professionals. It is a subset of artificial intelligence which has become one of the most prominent skills to learn in the technology sphere. Students can start learning basic skills through various online machine-learning courses. See Also: The Top colleges for BSc are: College Name Fees St Stephen's College, New Delhi INR 42,835 Hindu College, New Delhi INR 20,460 SRM University Delhi NCR, Sonepat INR 91,000 Lady Shri Ram College for Women - [LSR], New Delhi INR 20,670 IMS Ghaziabad (University Courses Campus), Ghaziabad INR 89,500 Miranda House, New Delhi INR 19,800 Sharda University - [SU], Greater Noida INR 96,161 Hansraj College - [HRC], New Delhi INR 24,515 IIMT Group of Colleges, Greater Noida INR 49,500 Kirori Mal College - [KMC], New Delhi INR 14,595 Ramjas College, New Delhi INR 14,610 Sri Venkateswara College - Delhi, New Delhi INR 14,555 Atma Ram Sanatan Dharma College - [ARSD], New Delhi INR 13,345 Deen Dayal Upadhyaya College, New Delhi INR 19,345 See Also: BSc Full Form Ques. What are the subjects in plain BSc 1st year? Ans. The subjects in BSc Syllabus are Maths, Zoology, Physics, Chemistry, Botany, Home Science, Statistics, Psychology, Nutrition, Forestry, Computer Science, Microbiology, Genetics, Agriculture etc. Ques. Does BSc have a scope? Ans. BSc degree has excellent career opportunities. Students can find jobs in the field of management, law, engineering, and science. Ques. What is the future after BSc? Ans. Students can opt for courses such as MBA, MSc, BEd, LLM or up and coming specialisations like Machine Learning and Artificial Intelligence after the BSc course. Ques. Can I do MBA after my BSc? Ans. Yes, students can pursue MBA after BSc with any specialisation and the basic eligibility criteria for an MBA is a bachelor's degree with minimum marks specified by the university. For some colleges, Students might be required to provide their GMAT scores and work experience is also preferred. Ques. Can a BSc student do MCA? Ans. Yes, Students can pursue an MCA after completing their BSc in Computer Science degree. MCA is an excellent and standard program. MCA course will expand student's understanding of the fundamental ideas of Computer Science and better job opportunities. Ques. Can I do MTech after BSc? Ans. BSc graduates often opt for MTech courses in their relevant fields in order to gain technical knowledge, skill and experience in that subject which would help them in their career prospects and research opportunities. Ques. Which is best MBA or MCA after BSc? Ans. The choice between an MBA and MCA course is dependent upon the career goals and preferences of a candidate. MBA is a better course for candidates who are interested in leadership roles while MCA is more suitable for candidates who want technical roles. Ques. What are the specialisation in BSc? Ans. The specialisation courses that are offered in BSc are: BSc Nursing BSc Agriculture BSc Computer Science BSc Biotechnology BSc IT BSc Microbiology BSc Psychology BSc Forensic sciences BSc Chemistry BSc Physics BSc Nautical science BSc Forestry BSc Mathematics BSc Zoology BSc Biology BSc Optometry BSc Statistics BSc Food technology Ques. Is a BSc student eligible for NEET? Answer. Yes, students can apply for the NEET entrance exam after their B.Sc. Shahrukh Qureshi Updated on - May 12, 202523 May, 2025 SET 2025 Result has been released; download scorecard @set-test.org. The result for postponed exam will be out later. Download Here 23 May, 2025 NTA has released the CUET UG 2025 Admit Card for the exams from May 26 to June 3; the admit card download link is out @cuet.nta.nic.in. Read Notice Here23 May, 2025 NTA is conducting CUET UG 2025 Day 9 exam in two shifts; check guidelines, question paper and analysis here. Check Live Updates 22 May, 2025 NEET 2025 cutoff is 50%ile for Gen, 45%ile for Gen-PwD, and 40%ile for Sc/ST/OBC; expected category-wise qualifying marks available. Check Here 22 May, 2025 SET 2025 postponed exam has been rescheduled to June 4, 2025; fresh admit card will be released for the same. Check Here 21 May, 2025 GMCET 2025 exam date is May 31, 2025 and result will be out on June 2; registration is ongoing @gmcet.org till May 30, 2025 – Apply Here 19 May, 2025 NTA has released the NCHMCT JEE 2025 result @exams.nta.ac.in/NCHM; download scorecard with application number and date of birth. Read Notice Here 15 May, 2025 AIFSET 2025 exam date is May 31, 2025 and result will be out on June 2; registration is ongoing @aifset.com till May 30, 2025 – Apply Here 12 May, 2025 AME CET 2025 registration Phase II started @amecet.in; the last date to apply is May 31, 2025. Apply Here BSc (Bachelor of Science) is an undergraduate program offered in many disciplines. You will be provided education in science and technical fields. Computer Science, Agriculture, IT, Biotechnology and Physics are some of the top specialisations. The syllabus consists of core subjects, electives and ability enhancement courses. BSc 1st year syllabus aims to develop a strong foundation by covering the subjects that form the base of the curriculum. It will build on the knowledge you gained during high school helping you to understand advanced topics with ease in the coming years. Along with the theoretical learning, you will also be required to undergo practical sessions through laboratory work. A BSc syllabus consists of core subjects and electives to provide you with comprehensive knowledge in a specific field of discipline. The BSc syllabus can vary based on the course discipline and the offering institute. The syllabus is covered in 3 to 4 years. You will develop a strong foundation in your chosen field allowing you to pursue higher courses or secure jobs. The subjects of the BSc 1st year syllabus can vary based on their disciplines. BSc courses are offered in many fields. Each BSc course has its own set of subjects. The 1st year syllabus forms the base of the curriculum allowing you to understand topics in the following years. You can check the BSc 1st year syllabus for some of the top courses in the following sections. What are the BSC Computer Science subjects for the 1st year? You can check the BSc Computer Science 1st year syllabus in the following table. BSc Computer Science 1st year syllabus Ist Semester IInd Semester Problem-solving using C Programming Advanced C Programming Database Management System Relational Database Management Systems Mathematics I Mathematics II Statistics I Statistics II Electronics I Electronics II What is the syllabus for BSc Agriculture 1st year? You can check the BSc Agriculture 1st year syllabus in the following table. BSc Agriculture 1st year syllabus Ist Semester IInd Semester Principles of Agronomy Natural Resources and Farm Management Fundamentals of Soil Science Elementary Plant Biochemistry Elements of Genetics Irrigation and Water Management Fundamentals of Horticulture Extension Education and Rural Development Agricultural Meteorology Elementary Crop Physiology Rural Sociology and Educational Psychology Elementary Microbiology Statistics and Applied Mathematics Introductory Entomology Structural and Spoken English Computer and its Application in Agriculture What are the BSc IT 1st year subjects? The BSc IT 1st year subjects are mentioned in the following table. BSc IT 1st year syllabus Ist Semester IInd Semester Operating Systems Web Programming Digital Electronics Object Oriented Programming Imperative Programming Microprocessor Architecture Discrete Mathematics Numerical and Statistical Methods Communication Skills Green Computing Operating Systems Practical Web Programming Practical Digital Electronics Practical Object Oriented Programming Practical Imperative Programming Practical Microprocessor Architecture Practical Discrete Mathematics Practical Numerical and Statistical Methods Practical Communication Skills Practical Green Computing Practical What are the BSc Biotechnology subjects in the 1st year? The BSc Biotechnology 1st year syllabus is mentioned in the table below. BSc Biotechnology 1st year syllabus Ist Semester IInd Semester Microbiology Cell Biology Elements of Biochemistry Genetics Bioethics and Biosafety Animal Biotechnology Entrepreneurship Development Plant Biotechnology Microbiology Practical Cell Biology Practical Elements of Biochemistry Practical Genetics Practical What are the subjects in BSc Biology 1st year? Subjects of the BSc 1st year Biology are as follows. BSc Biology 1st year syllabus Ist Semester IInd Semester Chemistry Ecology: Concepts and Management Physics and Applications to Biology Biodiversity and Bio-prospecting Light and Life Bioresources and Management Chemistry Practical Technical Writing and Communication Physics and Applications to Biology Practical Ecology: Concepts and Management Practical Light and Life Practical Biodiversity and Bio-prospecting Practical – Bioresources and Management Practical What is the BSc 1st year Physics syllabus? The BSc Physics 1st year syllabus is mentioned in the following table. BSc Physics 1st year syllabus Ist Semester IInd Semester Mathematical Physics I Electricity and Magnetism Mechanics Waves and Optics General Elective I General Elective II Ability Enhancement Course I Ability Enhancement Course II Mathematical Physics I Lab Electricity and Magnetism Lab Mechanics Lab Waves and Optics Lab What is the syllabus for 1st year BSc Microbiology? You can check the BSc Microbiology 1st year subjects in the following table. BSc Microbiology 1st year syllabus Ist Semester IInd Semester Macromolecular Structure and Analysis Principles of Microbiology Biophysics and Instrumentation Microbial Growth and Genetics Cell Structure and Dynamics Organic Mechanisms of Biology Chemistry Principles of Transmission Genetics Introduction to Computer Chemistry – Introduction to C Programming and Digital Logic What is the syllabus for 1st year in BSc Chemistry? BSc Chemistry 1st year syllabus is as follows. BSc Chemistry 1st year syllabus Ist Semester IInd Semester Organic Chemistry Analytical Methods in Chemistry Inorganic Chemistry Application of Computer in Chemistry Physical Chemistry Molecular Modelling and Drug Design Organic Chemistry Practical Analytical Methods in Chemistry Practical Inorganic Chemistry Practical Application of Computer in Chemistry Practical Physical Chemistry Practical Molecular Modelling and Drug Design Practical What is the syllabus for BSc Zoology 1st year? The BSc Zoology 1st year syllabus is mentioned in the table below. BSc Zoology 1st year syllabus Ist Semester IInd Semester Systematic and Animal Diversity: Non-Chordate Cell Biology Principles of Ecology Diversity of Chordates General Elective I General Elective II Communicative English Environmental Science Systematic and Animal Diversity Practical Cell Biology Practical Principles of Ecology Practical Diversity of Chordates Practical What is the syllabus for BSc in Mathematics for the 1st year? You can check the BSc Mathematics 1st year syllabus in the following table. BSc Maths 1st year syllabus Ist Semester IInd Semester Algebra and Trigonometry Analytical Geometry Differential Calculus Integral Calculus Elective I Elective II Skill Enhancement Course I Skill Enhancement Course II Foundation Course I (Bridge Mathematics) Skill Enhancement Course III English English What is the BSc Nursing 1st year syllabus? You can check the BSc Nursing 1st year subjects in the following table. BSc Nursing 1st year syllabus Ist Semester IInd Semester Anatomy and Physiology Nutrition and Dietetics Sociology and Psychology Biochemistry General Science Microbiology Nursing Foundation I Nursing Foundation II English Community Health Nursing What are the BSc Botany subjects in the 1s year? The BSc Botany 1st year subjects are mentioned in the table below. BSc Botany 1st year syllabus Ist Semester IInd Semester Microbiology and Phycology Mycology and Phytopathology Biomolecules and Cell Biology Archegoniate General Elective I (Biodiversity) General Elective II (Plant Physiology and Metabolism) Microbiology and Phycology Practical Mycology and Phytopathology Practical Biomolecules and Cell Biology Practical Archegoniate Practical General Elective I (Biodiversity) Practical General Elective II (Plant Physiology and Metabolism) Practical Ability Enhancement Course I Ability Enhancement Course II What are the subjects of a BSc in Radiology 1st year? Subjects of the BSc Radiology 1st year are as follows. BSc Radiology 1st year syllabus Ist Semester IInd Semester General Physics Conventional Radiology Anatomy Physiology Microbiology and Pathology Biochemistry and Pharmacology English English What is the syllabus for BSc 1st year Geology? Subjects of the BSc 1st year Geology are as follows. BSc Geology 1st year syllabus Ist Semester IInd Semester General Geology and Quaternary Geology Crystallography and Mineralogy Tectonics and Remote Sensing Optics and Geochemistry General Elective I (General Geology and Mineralogy) General Elective II (Petrology and Historical Geology) English Environmental Studies Ability Enhancement Course I Ability Enhancement Course II There are many books that you can consider according to your BSc discipline. Books can be an excellent source to provide you with knowledge and help in exam preparation. Some of the top books for BSc 1st year disciplines are mentioned below. BSc Discipline Book Author Computer Science Computer Fundamentals PK Sinha Digital Design Morris Mano Operating Systems Concepts Silberschatz, Galvin and Gagne Database Systems Elmasri, Nawathe Theory of Computer Science KLP Mishra, N Chandrasekaran Agriculture Introductory Soil Science Dilip Kumar Das Principles of Agronomy SR Reddy Agricultural Microbiology DK Verma Plant Pathology DP Tripathi IT Computer Organisation and Architecture William Stallings Modern Digital Electronics RP Jain Discrete Mathematics Normal L Biggs Biotechnology Biotechnology BD Singh Lehninger Biochemistry David L Nelson Molecular Biology of the Gene JD Watson Microbiology Michael J Pelczar Physics Mathematical Methods in Physical Sciences Mary L Boas Optics S Chand Classical Mechanics JC Upadhyaya Waves and Oscillations NK Bajaj Microbiology A Handbook of Elementary Microbiology HA Modi Microbiology Michael J Pelczar Prescott’s Microbiology JM Willey, LM Sherwood, CJ Woolverton Experimental Microbiology RJ Patel, RK Patel Chemistry Organic Chemistry RT Morrison, RT Boyd Inorganic Chemistry JD Lee Physical Chemistry Peter Atkins, Julio de Paula Zoology Invertebrate Zoology Rupert and Barnes Fundamentals of Ecology Eugene P Odum Evolution Monroe W Strickberger The Biology of Biodiversity M Kato Mathematics Differential Equation SL Ross Abstract Algebra S Ghosh Real Analysis Walter Rudin Nursing Anatomy and Physiology for Nurses Singh I Introduction to Sociology Bhushan V Introduction to Psychology Morgon CT Fundamentals of Nursing Potter, Perry Botany Plant Physiology Taiz, Zeiger Cell: A Molecular Approach Cooper, Hausmann Angiosperm SP Jain Ques. Is the BSc Chemistry 1st year syllabus the same as in 11th and 12th? Ans. BSc Chemistry 1st year syllabus contains some topics that are similar to those of class 11 and class 12. The only difference is that the BSc Chemistry will delve more deeply into topics. While the topics may remain the same, their complexity and detail will increase. Ques. Can the BSc Zoology 1st year syllabus help in the NEET preparation? Ans. BSc Zoology 1st year syllabus can be helpful in the NEET preparation to some extent. Some of its topics like ecology and animal biology are relevant to the NEET syllabus. NEET has a broader syllabus covering topics from class 11 and class 12. Ques. Getting into BSc Maths. Should I worry about revising the class 11 and class 12 syllabus? Ans. Revising the class 11 and class 12 syllabi can be a good option before starting BSc Mathematics. BSc Mathematics curriculum, especially in the 1st year has topics from the high school. While they are covered in more detail, a revision can refresh your basic knowledge.