

Sy Bsc Question Paper Pune University 2014 | d4fcb2410fbb99b2527015c534338f17

Personality Development and Soft Skills Environmental Engineering II Business Correspondence and Report Writing, 3e Atkins' Physical Chemistry 11e Higher Education Through Open and Distance Learning CELL BIOLOGY [2 Credits] Relevance of Gandhian Thought Technical Communication Financial Management Bacterial Systematics Speak with Power and Confidence Body Language Covid-19: The Preventive Protocol for Educational Institutions A First Look at Graph Theory Elements Of Practical Geography A Guidebook to Mechanism in Organic Chemistry Concepts in Analytical Chemistry Programmed Statistics (Question-Answers) Advanced Java Programming IMU-CET Maharashtra General Knowledge Environmental Biology And Toxicology Textbook of Surveying Vogels Textbook Of Quantitative Chemical Analysis Practical Zoology Frontiers in Chemistry: Rising Stars Health Education And Community Pharmacy Principles of Virology Plant Anatomy and Embryology Calculus An Introduction to Medicinal Chemistry Understanding DNA Calculus of Several Variables Basic Presentation Skills Map Work And Practical Geography Analytical Chemistry Concise Inorganic Pharmaceutical Chemistry (phar.Che-I) ANC-1 Nutrition For The Community Animal Diversity - IA Concise Introduction to Software Engineering

The text material has been restructured to provide a more balanced and exhaustive coverage of the subject. The text discusses the core concepts of technical communication and explains them with the help of numerous examples and practice exercises. The book also provides support for soft skills laboratory sessions through a companion CD. With its in-depth coverage and practical orientation, the book is useful not only for students, but also as a reference material for corporate training programmes. The functional properties of any molecule are directly related to, and affected by, its structure. This is especially true for DNA, the molecular that carries the code for all life on earth. The third edition of Understanding DNA has been entirely revised and updated, and expanded to cover new advances in our understanding. It explains, step by step, how DNA forms specific structures, the nature of these structures and how they fundamentally affect the biological processes of transcription and replication. Written in a clear, concise and lively fashion, Understanding DNA is essential reading for all molecular biology, biochemistry and genetics students, to newcomers to the field from other areas such as chemistry or physics, and even for seasoned researchers, who really want to understand DNA. Describes the basic units of DNA and how these form the double helix, and the various types of DNA double helix Outlines the methods used to study DNA structure Contains over 130 illustrations, some in full color, as well as exercises and further readings to stimulate student comprehension An introductory course on Software Engineering remains one of the hardest subjects to teach largely because of the wide range of topics the area encompasses. I have believed for some time that we often tend to teach too many concepts and topics in an introductory course resulting in shallow knowledge and little insight on application of these concepts. And Software Engineering is really about application of concepts to efficiently engineer good software solutions. Goals I believe that an introductory course on Software Engineering should focus on imparting to students the knowledge and skills that are needed to successfully execute a commercial project of a few person-months effort while employing proper practices and techniques. It is worth pointing out that a vast majority of the projects executed in the industry today fall in this scope—executed by a small team over a few months. I also believe that by carefully selecting the concepts and topics, we can, in the course of a semester, achieve this. This is the motivation of this book. The goal of this book is to introduce to the students a limited number of concepts and practices which will achieve the following two objectives: – Teach the student the skills needed to execute a smallish commercial project. The Frontiers in Chemistry Editorial Office team are delighted to present the inaugural “Frontiers in Chemistry: Rising Stars” article collection, showcasing the high-quality work of internationally recognized researchers in the early stages of their independent careers. All Rising Star researchers featured within this collection were individually nominated by the Journal’s Chief Editors in recognition of their potential to influence the future directions in their respective fields. The work presented here highlights the diversity of research performed across the entire breadth of the chemical sciences, and presents advances in theory, experiment and methodology with applications to compelling problems. This Editorial features the corresponding author(s) of each paper published within this important collection, ordered by section alphabetically, highlighting them as the great researchers of the future. The Frontiers in Chemistry Editorial Office team would like to thank each researcher who contributed their work to this collection. We would also like to personally thank our Chief Editors for their exemplary leadership of this article collection; their strong support and passion for this important, community-driven collection has ensured its success and global impact. Laurent Mathey, PhD Journal Development Manager The book encompasses a wide range of topics on practical geography taught to the B.A./B.Sc. students of Indian universities. Numerous examples and diagrams have been included in the text with the sole aim of enabling the students to have a comprehensive grasp of the subject. Attempt has also been made to present a well-balanced treatment of each topic. Topics like measurement of ground areas from maps, determination of class-interval for choropleth maps, representation of agricultural, industrial and transport data, choice of map projections, interpretation of topo-sheets, etc., have been included in this book and discussed in detail. Books treating various aspects of practical geography need regular up-dates. Therefore, the latest available material has been used to update this edition. Guidance of learned college and university teachers has enabled the author to present the subject-matter clearly and accurately. It is hoped that in addition to developing a keen interest for practical geography, it will form the basis for a more advanced study of the subject among the students. Corona virus named as COVID-19 emanated from Wuhan, China and as of today it has its footprints in more than 185 countries across the globe. There are over 3.5 million people who have been reported infected and more than 2,50,000 people who have died across the world. This has been considered one of the fastest growing influenza virus. In terms of WHO, COVID-19 is a respiratory disease and most infected people will develop mild to moderate symptoms and might recover without requiring special treatment. People who have underlying medical conditions like diabetes, cardiovascular issue, lungs infections, kidney problems etc. and those over 60 years old have a higher risk of developing severe disease and death. Common Symptoms are: · Fever · Sneezing · Tiredness · Dry Cough. Shortness of Breath Aches and Pains Sore throat Few people will report diarrhea, nausea or a runny nose, as well. Chill Chilling fever Prevention: To prevent infection and to slow transmission, do the following: Wash your hands regularly with soap and water, or clean them with alcohol-based hand rub/ sanitizer. Maintain at least 1 meter distance between you and people coughing or sneezing. Avoid touching your face. Cover your mouth and nose when coughing or sneezing. Stay home if you feel unwell. Refrain from smoking and other activities that weaken the lungs. Practice physical distancing by avoiding unnecessary travel and staying away from large groups of people and gathering. COVID-19, has already been declared as pandemic, and is spreading rapidly taking the world by surprise, causing a great deal of uncertainty for the next phase of the disease as well as for the global economy. Epidemiologists suggest that the virus is highly transmissible and can cause nationally incapacitating epidemics once transmission within the community is established. Every Industry thus needs to chalk out strategic approach to tackle its further spread. Irrespective of the nature of the operations we are engaged in our industry, certain preventive protocol will have to put into practice. This idea is sourced from the fundamental that we belong to varied and different environmental conditions. In these circumstances, like in the war, no one can be considered above the law and yes, this formulation of understanding has always paid the results. It is more so when the survival and existence of the entire humanity is at stake. Therefore, as good netizens, we must submit ourselves to this much needed scrutiny. For our collective health assurance and preventive protocol, few examples of such preventive equipment needed to be installed at our workplaces – refer to Appendix - 1. First example (as illustration) is of a full body sanitization machine that can be installed at the main entrance of the department/ college/ institute to ensure that every visitor – existing or new, senior or junior, necessarily, has to pass through this machine. Besides, we also need to provide PPE – Personal Protection Equipment, to certain category of employees who are constantly operating in vulnerable

conditions and need extra protection from any undue exposure to harmful environment. To all such employees we need to provide personal protective gear. An example of PPE is placed at Appendix - 2, that can be procured by all departments/ colleges/ institutes. We at Savitribai Phule Pune University (SPPU) cannot operate in isolation, thus need to follow a comprehensive and well-structured preventive approach. An elaborate department/ section-wise preventive approach to be followed by our university departments and affiliated colleges/ institutes has been compiled and placed in the chapters hereafter for strict compliance by all stakeholders. Meanwhile a generic list of common points is also enumerated below for adherence:

- Every higher educational institution has to follow Social Distancing guidelines besides avoiding large gathering for next academic year
- The medical history of each and every staff member and students is required to be maintained for safety reasons and this should be done by submitting the self-disclosure on the day of their resuming the duty/ classes. Self-disclosure form placed at Annexure - 1.
- Students and staff should submit self-disclosure related to any one from their family members having been affected / treated with corona treatment.
- Sanitization and Fumigation of entire campus/ classrooms and college premises should be carried out scrupulously.
- All staff and visitors should be subjected to non-contact thermal scanner check or temperature check at the time of entry
- For initial few months colleges/ Institutes should install a gate with sanitizer spray machine at the entrance of college and each and every staff should enter through that gate.
- Use of Hand sanitizer and face masks should be made compulsory until the end of December 2020 or till further order
- Each institute should introduce and run health and hygiene awareness program and every student must undergo such program
- First aid kits in the department/ college/ institute should be fully equipped at all times including certain medicines related to flu and fever.
- Every Department/ College/ Institute should keep their Ambulance always in alert/ ready mode with its driver and assistant always available.
- Institutions should incorporate disaster mitigation and post disaster training programs primarily to NSS and NCC students.
- Departments/ Colleges/ Institutes need to be vigilant in observing and identifying any Corona like symptoms amongst their faculty and students. If found, they should be immediately reported to the respective health centres. Every challenge throws up new opportunities and it is up to the wise men how they take everything in their stride. This lockdown because of Covid-19 has also opened plethora of new windows of learning provided we are ready for the change - the change that will take us to untrodden highways. Thus, to mitigate any academic loss to students, university additionally emphasizes on the teaching fraternity to look for new horizons and devise innovative ways and means of imparting learning. Following steps therefore, are suggested for academic persuasion to teaching fraternity: Balances old and new methods of chemical analysis by treating classic topics such as volumetric and gravimetric methods as well as newer areas including solvent extraction and chromatographic methods of separation. Emphasizes fundamental principles of each method and indicates possible applications to other areas of chemistry. It can be used as both a textbook for postgraduate students majoring in analytical chemistry and a reference for practicing analytical chemists and researchers. This book presents, in SI units, the various methods and concepts of surveying, laying greater emphasis on those that are commonly used. Relevant historical aspects are given. Tracing the development of the subject and the methods. The book also gives an overview of certain advanced and modern surveying techniques such as precise traversing and levelling, aerial photogrammetry, airphoto interpretation, electronic distance measurement and remote sensing. Advanced Java Programming is a textbook specially designed for undergraduate and postgraduate students of Computer Science, Information Technology, and Computer Applications (BE/BTech/BCA/ME/M.Tech/MCA). Divided into three parts, the book provides an exhaustive coverage of topics taught in advanced Java and other related subjects. This Book Covers A Wide Range Of Topics In Statistics With Conceptual Analysis, Mathematical Formulas And Adequate Details In Question-Answer Form. It Furnishes A Comprehensive Overview Of Statistics In A Lucid Manner. The Book Provides Ready-Made Material For All Inquisitive Minds To Help Them Prepare For Any Traditional Or Internal Grading System Examination, Competitions, Interviews, Viva-Voce And Applied Statistics Courses. One Will Not Have To Run From Pillar To Post For Guidance In Statistics. The Answers Are Self-Explanatory. For Objective Type Questions, At Many Places, The Answers Are Given With Proper Hints. Fill-In-The-Blanks Given In Each Chapter Will Enable The Readers To Revise Their Knowledge In A Short Span Of Time. An Adequate Number Of Multiple-Choice Questions Inculcate A Deep Understanding Of The Concepts. The Book Also Provides A Good Number Of Numerical Problems, Each Of Which Requires Fresh Thinking For Its Solution. It Will Also Facilitate The Teachers To A Great Extent In Teaching A Large Number Of Courses, As One Will Get A Plethora Of Matter At One Place About Any Topic In A Systematic And Logical Manner. The Book Can Also Serve As An Exhaustive Text. This book aims to provide crucial insights into various facets of developing one's personality, as well as to improve written, verbal, and non-verbal communication skills. Special attention has been paid to the specific needs of a job aspirant, such as writing of effective CVs, participation in group discussions, tackling job interviews, and to hone one's public speaking and speed-reading skills. If you are preparing or being prepared for IMU-CET entrance exam, then surely you are proceeding toward your bright career. Our study materials are specially prepared, keeping in mind the requirements, syllabus, content, detailed solutions, latest samples, Thus it enables an average students to compete & qualify the all entrance exam. This book covers all types of Problems & Questions Patterns (Physics-Mathematics-Chemistry-English-Aptitude and G.k with detail summery) generally asked in entrance examination-1. B.Sc. Degree in Nautical Science 2. Higher National Diploma (HND) Nautical Science. 3. Higher National Diploma (HND) Marine Engineering 4.. 6 months Pre-Sea course for General Purpose Rating 5. 4-Year Degree course in Marine Engineering 6. 1-year Marine Engineering Course Graduate Marine Engineer (GME) 7. 2-year Marine Engineering course 8. Pre-sea Training for Electro-Technical Officers on Merchant Ships 9. B.Sc. [Maritime Hospitality Studies] 10. Deck Cadet Course. 1. This book covers all Guide & Introduction of Marine Worlds. 2. Shipping Company Sponsorship Tests and Previous Papers of IMU CET. 3. Questions Pattern and Many More.. Atkins' Physical Chemistry: Molecular Thermodynamics and Kinetics is designed for use on the second semester of a quantum-first physical chemistry course. Based on the hugely popular Atkins' Physical Chemistry, this volume approaches molecular thermodynamics with the assumption that students will have studied quantum mechanics in their first semester. The exceptional quality of previous editions has been built upon to make this new edition of Atkins' Physical Chemistry even more closely suited to the needs of both lecturers and students. Re-organised into discrete 'topics', the text is more flexible to teach from and more readable for students. Now in its eleventh edition, the text has been enhanced with additional learning features and maths support to demonstrate the absolute centrality of mathematics to physical chemistry. Increasing the digestibility of the text in this new approach, the reader is brought to a question, then the math is used to show how it can be answered and progress made. The expanded and redistributed maths support also includes new 'Chemist's toolkits' which provide students with succinct reminders of mathematical concepts and techniques right where they need them. Checklists of key concepts at the end of each topic add to the extensive learning support provided throughout the book, to reinforce the main take-home messages in each section. The coupling of the broad coverage of the subject with a structure and use of pedagogy that is even more innovative will ensure Atkins' Physical Chemistry remains the textbook of choice for studying physical chemistry. This volume provides an introduction to medicinal chemistry. It covers basic principles and background, and describes the general tactics and strategies involved in developing an effective drug. Read People Like a Book--7 ESSENTIAL SKILLS for getting exactly what you want The most important 90% of communication is nonverbal. It's silent--but not hidden. It's instinctual--but you can control it. This book shows you how. You'll learn how to: * Read the nonverbal signs that tell you exactly what people are thinking, feeling, and planning. * Control your own nonverbal communication so you deliver the right message and get the right results. * Decipher gestures and read minds. * Stop sending signals that undercut your words. * Communicate more successfully with friends, family, colleagues, customers, strangerseveryone! Are you trustworthy? Likable? Interesting? Are you the right person to hire? To buy from? People start judging you the instant they meet you--and they never stop. You do the same for them. Based on what? Not just words: 90% of the information people present about themselves is nonverbal. Body Language is about understanding that 90%--and making the most of it. It's about learning to consciously read the silent messages other people are sendingso you know what they're really feeling, thinking, and intending to do. It's about learning to control your own body language so that you communicate more powerfully and successfully with everyone in your life. Need an edge? Ever worry

that you're not getting your message across? Then these are the most important communication skills you will ever learn. * Recognize lies, fears, and how people are responding to you Sharpen your intuitions and perceptions and use them to communicate more effectively * Overcome bad body language habits that convey the wrong impression Stop making the innocent mistakes that turn people off * Read people through "context, congruence, and clusters" Use body language together with everything else you know, hear, and see * Gain the charisma that comes with effective listening People want to be heard--learn how to give them what they want

This is the first book on bacterial systematics at the undergraduate level. The first part explains why bacteria are classified and how they are named. It also covers the practice of classification, including evolutionary studies and identification. The applications of these methods are illustrated in the second part of the book, which describes progress in the classification and identification of the spirochaetes, helical and curved bacteria, Gram-negative aerobic, facultative and strictly anaerobic bacteria, Gram-positive cocci, rods and endospore formers, mycoplasmas, and actinomycetes, and outlines the importance of these organisms. The first book on this topic at undergraduate level Includes evolutionary studies and the Archaea Covers theory and practice of bacterial classification and identification User-friendly style and profuse illustrations

- 1 Principles of classification and protista paramoecium
- 2 Porifera and coelenterata
- 3 platyhelminthes and nemathelminthes
- 4 Annelida earthworm

Published in association with the Commonwealth of Learning Open and distance learning has expanded dramatically in recent years across the world, across the spectrum of subject areas, and across educational levels. This book takes a detailed look at the state of the art of open and distance learning in higher education, and presents a fascinating picture of a world and its educational culture in transition. This edited collection contains authoritative analyses of key issues together with current accounts of practice in each region of the world. It includes *open and distance learning in relation to internationalisation, lifelong learning and flexible learning *costs of distance education *the impact of telecommunications *applications of open and distance learning in Africa, the Americas, Asia, Europe and Oceania. It draws together experts in the field from all over the world, and has a truly international perspective on the phenomenon of open and distance learning. Its unparalleled breadth of coverage makes it an indispensable work of reference for experts and newcomers alike.

- 1 Environmental biology
- 2 The ecosystem
- 3 Environmental pollution
- 4 Environment and development
- 5 Natural resources and conservation
- 6 Wildlife management
- 7 Toxicants and toxicity
- 8 Toxicants of public health and hazards

This text book has been written in a simple and lucid language. Several illustrative figures and diagrams have been included in the text which will help the students to grasp the concepts quickly and easily. We strongly believe that this book will be of great help to students as well as teachers.

Contributed articles.

- 1 Foundations of finance
- 2 Investment decisions
- 3 Financing and dividend decision
- 4 Working capital management
- 5 Long term sources of finance

This Book has comprehensive General Knowledge about Maharashtra for the Candidates of Various Competitive Exams.

- 1 to practical 26 Practical Sketleton Paper
- 1 Gravimetric Analysis
- 2 Thermal Methods of Analysis
- 3 Spectrophotometry
- 4 polaography
- 5 Atomic Absorption Spectroscopy

Basic Presentation Skills is a practical handbook for public speakers, trainers, or anyone required to prepare and make a presentation. Unlike most books on presentation skills, the writing and organization are exceptionally simple and clear, and dozens of illustrations throughout the book help give a fun, relaxed feeling to a topic that can be extremely stressful.

This new, revised edition covers all of the basic topics in calculus of several variables, including vectors, curves, functions of several variables, gradient, tangent plane, maxima and minima, potential functions, curve integrals, Green's theorem, multiple integrals, surface integrals, Stokes' theorem, and the inverse mapping theorem and its consequences. It includes many completely worked-out problems.

Provides advice and simple techniques for communicating effectively in speeches, business presentations, negotiations, job interviews, media interviews, and other situations where verbal skills are crucial for projecting a powerful and confident image. Original.

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