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Quick Review Series for BDS 1st Year is an extremely exam-oriented book. The book contains a collection of the last 25 year's questions of General Anatomy including Embryology and Histology; Physiology; Biochemistry; Oral Histology and Dental Anatomy in accordance with the BDS 1st year syllabus. The book will serve the requirements of BDS 1st year students to prepare for their examinations and help PG aspirants in quick review of important topics. Unique collection of last 25 years solved questions asked in major university examinations across India Simple, well-illustrated, lucid in content and style in two-color format Book contains numerous flowcharts and tables for easier understanding Perfectly segregated into 6 sections: General Anatomy including Embryology and Histology; Physiology; Biochemistry; Oral Histology and Dental Anatomy; Self-assessment Questions and Previous Years' Question Bank Self-assessment section of this book includes key points to remember, MCQs with answers and viva questions for practical exam preparation Sample question papers on all the subjects Thoroughly revised and updated with latest questions from all major universities across India Addition of new MCQs and viva questions for practical exam preparation Index containing important points

Numerous essential biological functions involve metalloproteins; therefore, understanding metalloproteins and how to manipulate them is significant in the biological and medical fields. An examination of current research, Metalloproteins: Theory, Calculations, and Experiments explores the interplay between theory and experiment, detailing the role of theoretical modeling in the field and explaining how it aids experiments. The text also presents the current state of computational protein modeling, enabling researchers to adopt computation as an integral component of their studies. This book addresses two different aspects on metalloproteins in unison. It reviews the development of theoretical and computational methods for metalloprotein simulation with specific examples. The authors also present some of the most intriguing and important experimental results on metalloprotein systems. Although a connection can be made between these two aspects of the research, the authors do not do so explicitly. Rather, they provide the platform required to ignite further collaboration between experimentalists and theoreticians. A collection of works from top researchers in this field, the text presents diverse subjects that comprehensively reflect the current state of metalloprotein research. With these advances in structural information, theory and computation are starting to play a more significant role, particularly in identifying the reaction mechanism. The book summarizes some of the recent progress in both experiments and theory/computation showing the synergy that is now developing.

"With a focus on the big picture of human evolution, the text helps students master the basic principles of the subject and arrive at an understanding of the human species and its place in the biological world. This book continues to keep pace with changes in the field by including thorough coverage of cutting-edge advances in molecular biology and genomics, primatology, key fossil discoveries, and modern human biology." -- Amazon.com viewed August 24, 2020.

The second edition of Atlas of Oral Histology has been upgraded to include some new photomicrographs, and also provides useful hints and points to remember for each chapter. This will be handy when preparing for viva-voce. This edition also comes with an accompanying video guide for oral histology slides which will provide readers with the benefit of being able to go through and revise the slides at their own comfort. Covers the recommended undergraduate syllabus for oral histology as per the Dental Council of India norms Over 50 photomicrographs taken personally by the authors from their personal collection Accompanying digitized schematic diagrams will help understand the photomicrographs better and also be useful to learn to draw these diagrams Includes condensed text matter discussing essential review information about the features being depicted Useful hints and points to remember provided at the end of each chapter A video guide for the slides is also included along with the textbook Useful as a teaching material for practical and theory classes in oral histology Complimentary access to complete e-book 11 online videos

This book is a practical guide to dental radiology for trainees in dentistry. Beginning with an overview of the history of radiation, radiation physics and the basics of dental radiography, the next chapters discuss many different types of radiograph – intraoral, extraoral, panoramic and so on. The following sections explain radiographic features of numerous dental diseases and disorders, guiding trainees towards accurate diagnosis and treatment. The third edition of this textbook has been fully revised and updated to provide the latest advances and techniques in the field. Clinical photographs and diagrams, many new to this edition, further enhance the comprehensive text. Key points Comprehensive guide to dental radiology for trainees in dentistry Fully revised, third edition providing latest advances and techniques Covers radiographic features of many different disorders to assist accurate diagnosis Previous edition (9789350250792) published in 2011

Regenerated Organs: Future Perspectives provides the translational-research aspects, currently lacking in existing literature, in this rapidly-moving field. The book is divided into six sections: Engineering Approaches, Cardiovascular System, Musculoskeletal Regeneration, Regenerative Neuroscience, Respiratory Research, a Future Outlook and Conclusions. Each chapter is multi-authored by international experts in each area. The book's primary audience is academic faculty and those in industry interested in translational research in regenerative medicine and tissue engineering. Additionally, this book is ideal for graduate students in the field. Discusses recent advances in tissue and organ fabrication Provides translational-research aspects that are often lacking in existing literature Contains chapters that are multi-authored by international experts in the field

An overview of the ongoing methods used to understand African history.

The book focuses on both theory and applications in the broad areas of communication technology, computer science and information security. This two volume book contains the Proceedings of International Conference on Advanced Computing and Intelligent Engineering. These volumes bring together academic scientists, professors, research scholars and students to share and disseminate information on knowledge and scientific research works related to computing, networking, and informatics to discuss the practical challenges encountered and the solutions adopted. The book also promotes translation of basic research into applied investigation and convert applied investigation into practice.

The high-level language of R is recognized as one of the most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivalled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate

analysis. Building on the success of the author's bestselling *Statistics: An Introduction using R*, *The R Book* is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language, including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advance methods, from regression and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. *The R Book* is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences.

This manual provides step-by-step pictures and illustrations of the various laboratory exercises, which students have to learn and perform in their first and second year BDS course for the preclinical conservative dentistry examination. This is the only book of its kind that would serve as a guide for learning as well as practicing the exercises on both plaster and typodont models in the preclinical laboratory. Segregated into 11 well defined chapters, the book: Provides synopsis of topics related to conservative dentistry and endodontics Includes clear description with illustrations of every instrument and equipment used Provides details regarding the composition, properties, uses and manipulation of various dental materials Includes clear description with images of the phantom head and typodont teeth used in the preclinical laboratory along with a beginner's pictorial guide in using airtor and micromotor rotary instruments Discusses various features, rules and fundamentals of tooth preparation Provides step-by-step pictorial representation along with explanation of all laboratory plaster and typodont model exercises Provides more than 300 commonly asked questions to help students prepare for their viva- voce examination along with frequently asked spotters Includes an exhaustive glossary of conservative dentistry and endodontic terms

This book contains the latest research work presented at the International Conference on Computing and Communication Systems (I3CS 2020) held at North-Eastern Hill University (NEHU), Shillong, India. The book presents original research results, new ideas and practical development experiences which concentrate on both theory and practices. It includes papers from all areas of information technology, computer science, electronics and communication engineering written by researchers, scientists, engineers and scholar students and experts from India and abroad.

This book presents articles covering a wide spectrum of topics in geotechnical engineering, including properties of soils, unsaturated soil mechanics, ground improvement, liquefaction and seismic studies, soil-structure interaction and stability analysis of man-made and natural slopes. The contributing authors are renowned researchers in their respective fields, which include soft ground improvement, seismic response of retaining structure using soil-structure Interaction (SSI) principles, and unsaturated soils. Based on keynote addresses and invited talks presented at the Indian Geotechnical Conference 2016, this book will prove a valuable resource for practicing engineers and researchers in the field of geotechnical engineering.

This new edition is a complete guide to operative dentistry. Beginning with an introduction, physiology, dental caries and tooth preparation, the text also discusses pain and infection control. The following sections examine different operative procedures. New techniques such as minimal intervention dentistry, nanotechnology and lasers; and advances in dental materials are discussed in detail. More than 1200 colour images, illustrations, flow charts and tables are included. Key points Complete guide to operative dentistry Discusses numerous different procedures, and pain and infection control New techniques and advances in materials described in detail More than 1200 colour images, illustrations, flow charts and tables Previous edition published in 2010

- Incorporates all relevant changes especially in the field of molecular biology
- Discusses molecular biological aspects of oral tissues
- Emphasizes clinical relevance of oral histological aspects
- contains more line diagrams and illustrations for easier understanding

Manual Oral Histology Oral Pathology Manual of Oral Histology and Oral Pathology Colour Atlas and Text ESSENTIALS ORAL BIOLOGY: ORAL ANATOMY PB Metalloproteins Theory, Calculations, and Experiments CRC Press

Because of increasing antibiotic resistance, stronger antibiotics are reserved for serious active infection, paving the way for a greater use of herbal antibiotics. This book helps dentists in implementing safe and effective natural medicine therapies to complement the current practice guidelines. Oral diseases continue to be a major health problem world-wide. Oral health is integral to general well-being and relates to the quality-of-life that extends beyond the functions of the craniofacial complex. The standard Western medicine has had only limited success in the prevention of periodontal disease and in the treatment of a variety of oral diseases. The dentist needs to be more informed regarding the use, safety and effectiveness of the various traditional medicines and over-the-counter products. Herbal extracts have been used in dentistry for reducing inflammation, as antimicrobial plaque agents, for preventing release of histamine and as antiseptics, antioxidants, antimicrobials, antifungals, antibacterials, antivirals and analgesics. They also aid in healing and are effective in controlling microbial plaque in gingivitis and periodontitis and thereby improving immunity. The 26 chapters in this unique book explore all the measures to utilize the natural oral care obtained from plants, animals and mineral drugs for dental care.

A truly student-oriented textbook!

"Romeo and Juliet meets *The Fast and the Furious* in this edgy romance set in the suburbs of Washington, DC"--

Practical Manual on Oral Histology and Oral Pathology intends to provide students a diagrammatic overview of histological and histopathological features. This book is aimed at helping students to draw well labelled diagrams of oral histology and oral pathology in practical records and also to develop the interest of students in these subjects. Hand drawn diagrams with captions are included for better understanding and also to ease drawing the diagrams. Digitized diagrams of histology of oral and dental tissues and histopathology of oral lesions Covers most of the topics from the UG syllabus with descriptions of histological and histopathological features of each diagram Ease of understanding and drawing in practical records Characteristic features are highlighted in text Viva-voce questions with answers Additional Feature Complimentary access to full e-book

Zelie Adebola remembers when the soil of Or sha hummed with magic. Burners ignited flames, Tidlers beckoned waves, and Zelie s Reaper mother summoned forth souls. But

everything changed the night magic disappeared. Under the orders of a ruthless king, maji were killed, leaving Zelig without a mother and her people without hope.

This book presents the latest cutting-edge technology in high-power converters and medium voltage drives, and provides a complete analysis of various converter topologies, modulation techniques, practical drive configurations, and advanced control schemes. Supplemented with more than 250 illustrations, the author illustrates key concepts with simulations and experiments. Practical problems, along with accompanying solutions, are presented to help you tackle real-world issues.

This book highlights recent advances in the field of biomaterials design and the state of the art in biomaterials applications for biomedicine. Addressing key aspects of biomaterials, the book explores technological advances at multi-scale levels (macro, micro, and nano), which are used in applications related to cell and tissue regeneration. The book also discusses the future scope of bio-integrated systems. The contents are supplemented by illustrated examples, and schematics of molecular and cellular interactions with biomaterials/scaffolds are included to promote a better understanding of the complex biological mechanisms involved in material-to-biomolecule interactions. The book also covers factors that govern cell growth, differentiation, and regeneration in connection with the treatment and recovery of native biological systems. Tissue engineering, drug screening and delivery, and electrolyte complexes for biomedical applications are also covered in detail. This book offers a comprehensive reference guide for multi-disciplinary communities working in the area of biomaterials, and will benefit researchers and graduate students alike.

Prosthodontics is the subspecialty of dentistry that deals with the aesthetic restoration and replacement of teeth. The second edition of this textbook has been fully revised and updated to provide undergraduates with the latest advances in the field of prosthodontics. Divided into six sections, each part provides in depth detail on a specific type of prosthesis – complete dentures, removable partial dentures, fixed partial dentures, maxillofacial prosthesis, implants, and dental materials. The section on implants has been completely reorganised with the addition of new chapters, and the section on dental materials is brand new to this edition. The book includes discussion on anatomical landmarks and lab procedures, as well as evidence based clinical practice and operating techniques. More than 3000 clinical photographs, diagrams, concept maps and charts enhance learning and enable quick revision. Key points Fully revised, second edition providing latest advances in prosthodontics Features brand new section on dental materials Highly illustrated with more than 3000 clinical photographs, diagrams and charts Previous edition (9788180611995) published in 2006

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