

Free read The preparatory manual of explosives third edition jared ledgard (Download Only)

the preparatory manual of explosives fourth edition is a massive upgrade from the third edition and has been completely re written the material has been completely re done with more emphases on detailed preparatory methods safety and hazard info molecular information and data structures and equations and new chapters the fourth edition includes numerous illustrations and data charts and tables and includes improved procedures processes and information written with professional standards but given a new improved bases so that the general student can read and understand the context far better then seen in the third edition as well the fourth edition includes valuable toxicity and physical properties data and exhaustively describes each process in a new format and style not seen in the third edition the fourth edition will no doubt become the standard for explosives science and technology the preparatory manual of explosive fourth edition is an outstanding laboratory and training manual and reference for students government agencies government contractors civil authorities and enthusiasts the preparatory manual of black powder and pyrotechnics is a new recipe handbook discussing the worlds most commonly used pyrotechnic compositions the book contains multiple sections on pyrotechnics including black powder high performance rocket propellants and gun propellants general pyrotechnic compositions specialty and experimental compositions and fireworks the book even includes sections on specialty pyrotechnic compositions such as incendiary compositions cloud seeding compositions and pyrotechnic welding compositions all compositions are discussed in great detail with complete processes for manufacture the book discusses a total of 1187 pyrotechnic compositions all with a variety of uses and methods of production version 1 4 is the same as the original version but includes updated hazard information and a test and review section the preparatory manual of black powder and pyrotechnics is a new handbook discussing the world s most commonly used pyrotechnic compositions the book contains multiple sections dividing the area of pyrotechnics into various levels black powder is the first level followed by high performance rocket propellants and gun propellants then followed by general pyrotechnic compositions specialty and experimental compositions take up the rear followed by fireworks all compositions are discussed in great detail with complete processes for manufacture the book discusses a total of 1187 pyrotechnic compositions ranging from black powder compositions to fireworks to high performance gun propellants rocket propellants incendiary agents smoke producing mixtures to specialty compositions including cloud seeding compositions welding compositions matches priming compositions and experimental compositions all with a variety of uses and methods of production the preparatory manual of explosives fourth edition is a massive upgrade from the third 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the preparation and use of 166 of the most influential explosive compounds known to man the book is also an excellent and powerful collection of over 175 years of explosives science the preparatory manual of explosives third edition is a laboratory manual that has been broken down into easy to understand chapters starting with basic chemistry and laboratory techniques then leading up to explosives dynamics and finally leading up to the preparation of the explosives themselves in detail the preparatory manual of explosives third edition is an excellent reference book for anyone s book collection and the book will enlighten the reader in the art of explosives chemistry and science written in question answer form the book covers all the topics of pathology asked repeatedly in university examinations flowcharts figures and microphotographs have been added to help the student cover revise the subject in a limited time and earn valuable marks in theory practical and viva voce examinations the new edition of this revision manual provides students with the latest advances and information in medicine divided into 25 chapters the text covers the diagnosis and management of diseases and disorders in all medical subspecialties the second

edition has been fully revised and features new topics including recent advances new drugs geriatrics and immunology disease aetiology diagnostic procedures radiological investigations and basics of ecg readings are discussed in depth important clinical examination oriented questions are included in each section with key points emphasised to assist revision the comprehensive text is highly illustrated with clinical photographs and diagrams important management techniques are highlighted in coloured tables key points comprehensive revision manual covering all medical subspecialties for undergraduates fully revised second edition featuring many new topics includes clinical examination oriented questions to assist revision previous edition 9789386056610 published in 2016 this book has been accepted well as an indispensable book among dental undergraduates and dentists who need smooth transition into the field of orthodontics the significant information presented in highly organized framework had successfully suited various educational settings be it exam preparation or understanding theoretical models or practical implications for clinical practice this edition is upgraded and offers more succinct content based on the enormous current knowledge available in the theory and research sector of orthodontics satisfying the amended syllabus norms of dental council of india and various international universities the single colour format that have been replaced with vivid colours to convey textbook structure effortlessly the entire book had been grouped into 11 sections with every chapter containing optimized outline to provide a gist of what to explore numerous subsections and a thorough index that favours quick access to the readers illustrations that can be readily associated with the learned concepts for correlation interpretation and recollection by the students tables flowcharts and figures that are revisited revised and refurbished additional accessory points as it had been relied for challenging competitive evaluations a new format of advanced learning have been introduced exclusively for students with voracious interest in orthodontics community medicine preparatory manual for undergraduates 3rd edition e book the preparatory manual of explosives radical extreme experimental explosives chemistry vol 1 is a first of its kind theoretical and ideological laboratory manual discussing the preparation of 67 high explosives that are not in current use or are being investigated for future use the book is an amazing collection of unique and fascinating explosives never before seen and includes detailed preparation processes physical properties and molecular information each explosive is discussed in detail and includes each explosives potential use including detailed chemistry reaction equations and detailed structure and apparatus the preparatory manual of explosives radical extreme experimental explosives chemistry vol 1 will redefine the world of explosives and usher in a new era of explosives chemistry for the 21st century and will accommodate for many new educational purposes and commercial and military operations this is the first book of its type meant for medical laboratory technology students covering all theoretical and practical aspects related to pathology it is written in a simple manner so that the student can grasp the subject and can recall it easily while writing exams wherever required flowcharts colour diagrams and photomicrographs have been introduced in each section technical aspects in relation to laboratory medicine have been dealt with accurately covered in 84 chapters the book provides concise information on each topic especially from examination point of view the book covers practical and technical aspects of the hematology laboratory including stains bone marrow examinations and coagulation profiles histological techniques including routine stains special stains tissue processing and fixatives histopathology and cytopathology including automation specimen management and electron microscopy laboratory management including quality control job analysis record keeping and inventories clinical pathology including fluid urine and semen analysis transfusion medicine and immunohematology including blood grouping crossmatching and plasmapheresis the preparatory manual of black powder and pyrotechnics version 4 0 is newly revised and upgraded the book has been broken down into 2 volumes to accommodate the reader and save them money volume 2 includes chapter 7 general pyrotechnic compositions ii including section 1 illumination flare and signaling compositions section 2 pyrotechnic delay compositions and section 3 incendiary compositions chapter 8 specialty non propellant pyrotechnic compositions including section 1 cloud seeding compositions section 2 pyrotechnic solid welding compositions section 3 gas generating compositions for various purposes section 4 pyrotechnic dissemination compositions for disseminating chemical agents pesticides and herbicides and section 5 miscellaneous pyrotechnic compositions section 6 experimental pyrotechnic compositions chapter 9 fireworks compositions including section 1 solid rocket propellant compositions section 2 firework star compositions section 3 firework effects stars section 4 firework strobe smoke stars and smoke agents section 5 fountains and cones fountain construction phase 1 phase 1 fountain and cone compositions primary charge base fountain construction phase 2 fountain construction phase 3 and fountain construction phase 4 section 6 sparklers and related items section 7 flash bursting charges priming and exploding

compositions section 8 miscellaneous novelty compositions section 9 adn compositions for use in fireworks references table of important chemicals used in pyrotechnics test and review the preparatory manual of explosives fourth edition is a massive upgrade from the third edition and has been completely re written the material has been completely re done with more emphases on detailed preparatory methods safety and hazard info molecular information and data structures and equations and new chapters the fourth edition includes numerous illustrations and data charts and tables and includes improved procedures processes and information written with professional standards but given a new improved bases so that the general student can read and understand the context far better then seen in the third edition as well the fourth edition includes valuable toxicity and physical properties data and exhaustively describes each process in a new format and style chapters in volume 1 include 1 chapter 1 introduction to chemistry a quick lesson in general chemistry 2 chapter 2 familiarization with laboratory techniques 3 chapter 3 laboratory apparatus 4 chapter 4 chemistry theory and calculations 5 chapter 5 the dynamics of explosives 6 chapter 6 improvised explosives and operations 7 chapter 7 familiarization with explosive munitions 8 chapter 8 intermediates reagents and solvents used in the preparation of explosives 9 chapter 9 explosives preparation 1 the preparation of metal azides fulminates and nitrides 10 chapter 10 explosives preparation 2 the preparation of organic azides and azo nitros 11 chapter 11 explosives preparation 3 the preparation of aza oxa nitramines 12 chapter 12 explosives preparation 4 the preparation of cyclic nitramines 13 chapter 13 explosives preparation 5 the preparation of nitramines the fourth edition is the standard for explosives science and technology of the most used energetic compounds the book is a perfect reference for students government agencies government contractors and enthusiasts the preparatory manual of chemical warfare agents third edition is a massive upgrade to a laboratory history of chemical warfare agents and it s original title has been re established the book includes many upgraded information on existing warfare agents including updated molecular formulas 3d molecules and molecular data this third edition includes brand new chapters and sections including a chapter discussing the complete preparation and data of nerve agent antidotes a huge section on the preparation of potential and experimental warfare agents nerve agents including a valuable section and chapter on the complete preparation and data of nerve agent intermediates a section and chapter on the complete preparation and data on the incapacitating agent bz and military weaponization a complete and in depth section and chapter on the extraction isolation and military weaponization of ricin and a upgrade to methods of chemical dissemination i e chemical warfare munitions the second edition of this book is thoroughly revised as per guidelines of national medical commission in accordance with the competency based curriculum of biochemistry the questions not only test the knowledge but also incorporate the clinical applied aspects of biochemistry which are so important to help the students to think out of the box uniquely presented in question answer format covering all categories of questions that are expected in a university exam in concise manner for rapid revision covers questions which can be asked in different way different questions by same answers this helps students to write answers for these questions in exams answers presented in bullet points supported with tables boxes and figures helps students to frame answers to questions and replicate the same in exams complex key information is summarized in tables helps in quick revision during exams and also breaks monotony text applied aspects provided at appropriate places in colored boxes adds more clarity to the answer provided recapitulation of points to ponder at the end of text for quick revision prepares students for both theory and viva voce reorganized topics in the same order as presented in new curriculum insight into the biochemistry cbme curriculum with respect to attitude ethics and communication aetcom early clinical exposure ece and self directed learning in order to help in the making of the indian medical graduate ensured coverage of all competency codes integrated within the text as per new competency based undergraduate curriculum inclusion of 250 multiple choice questions and 500 short questions and viva voce for self assessment of the topics studied insertion of clinical cases along with answers to clinical cases at the end of the book to help understand the biochemical basis of disease and its management an invaluable reference manual providing quick answers to the preparation of 121 explosives and dozens of corresponding explosives compositions the manual is perfect for students researchers and truth gatherers the manual also includes a comprehensive tutorial for laboratory techniques and procedures including distillation extraction and recrystallization this manual will help the reader better understand the art of explosives and the chemistry there of the fifth edition of this book is a must have for all undergraduate medical students as it prepares them for both theory and viva voce examinations it is also useful for paramedical dental homeopathy and ayurveda students besides those preparing for pg entrance examinations it covers entire syllabus of physiology laid down by the medical council of india

and health universities across the country salient features systemize presentation of text in question answer format helps in revision and self assessment before examination extensively revised updated and strengthened to keep up with the latest changes in the standard books of physiology thoroughly revised topics like blood nerve and muscle cardiovascular system and central nervous system large number of diagrams tables and flowcharts to facilitate quick learning and greater retention of knowledge chapter 1 growth and its disorders chapter 2 normal and abnormal development chapter 3 adolescent health chapter 4 behavioral disorders chapter 5 immunization chapter 6 fluid and electrolyte disturbances chapter 7 nutrition chapter 8 micronutrients in health and disease chapter 9 neonatology chapter 10 infections and infestations chapter 11 covid 19 chapter 12 disorders of gastrointestinal system chapter 13 hematological disorders chapter 14 disorders of respiratory system chapter 15 disorders of cardiovascular system chapter 16 disorders of kidney and urinary tract chapter 17 endocrine disorders chapter 18 central nervous system and neuromuscular disorders chapter 19 childhood malignancies chapter 20 pediatric rheumatology chapter 21 childhood genetic disorders chapter 22 inborn errors of metabolism chapter 23 diseases of the eye chapter 24 pediatric dermatology chapter 25 common ent problems chapter 26 pediatric dentistry chapter 27 poisonings and accidents chapter 28 pediatric critical care chapter 29 pediatric surgical conditions chapter 30 community pediatrics chapter 31 pediatrics made easy for practical exam chapter 32 aetcom and skill modules annexures index the preparatory manual of black powder and pyrotechnics version 4 0 is newly revised and upgraded the book has been broken down into 2 volumes to accommodate the reader and save them money volume 1 includes chapter 1 pyrotechnic compositions including 1a introduction to pyrotechnics 2b what makes pyrotechnic compositions what they are 3a the nature of reducing agents verse oxidizing agents 4a deflagration and the process of combustion 5a non oxidizing pyrotechnics and their nature 6a methods of forming pyrotechnic compositions and 7a how to use this manual chapter 2 black powder 3 modified black powder chapter 4 high performance rocket propellants including section 1 ammonium perchlorate rocket propellants section 2 ammonium dinitramide adn rocket propellants section 3 ammonium nitrate containing rocket propellants and section 4 miscellaneous containing chapter 5 non black powder gun propellants including section 1 ammonium nitrate containing section 2 nitrocellulose containing and section 3 miscellaneous gun propellants chapter 6 general pyrotechnic compositions i including section 1 bullet tracer compositions section 2 match head compositions section 3 smoke generating compositions and section 4 pyrotechnic igniter starter and primer compositions references since the inception of second edition of prep manual a large body of knowledge has become available in various areas of medicine the third edition has been substantially revised and updated incorporating the most recent knowledge in the subject almost every chapter has been revised or rewritten and many new topics in each chapter have been added it is hoped that this edition will fulfill all the needs of an undergraduate medical student in addition the basic concepts presented in this edition will be useful to the postgraduate students also the third edition provides a new and comprehensive update of medicine about the author k george mathews md associate specialist department of orthogeriatrics torbay hospital torquay devon london praveen aggarwal md dnb professor division of emergency medicine all india institute of medical sciences new delhi the preparatory manual of explosives fourth edition is a massive upgrade from the third edition and has been completely re written the material has been completely re done with more emphases on detailed preparatory methods safety and hazard info molecular information and data structures and equations and new chapters the fourth edition includes numerous illustrations and data charts and tables and includes improved procedures processes and information written with professional standards but given a new improved bases so that the general student can read and understand the context far better then seen in the third edition as well the fourth edition includes valuable toxicity and physical properties data and exhaustively describes each process in a new format and style chapters in volume 2 include 1 chapter 14 explosives preparation 6 the preparation of nitramine salts 2 chapter 15 explosives preparation 7 the preparation of amino nitro benzenes 3 chapter 16 explosives preparation 8 the preparation of nitro benzenes 4 chapter 17 explosives preparation 9 the preparation of poly nitro benzenes 5 chapter 18 explosives preparation 10 the preparation of nitrate esters 6 chapter 19 explosive preparation 11 the preparation of polyhydric nitrate esters 7 chapter 20 explosives preparation 12 the preparation of nitrate ester nitramines 8 chapter 21 explosives preparation 13 the preparation of nitro triazoles 9 chapter 22 explosives preparation 14 the preparation of nitro tetrazoles 10 chapter 23 explosives preparations 15 the preparation of nitro phenyls 11 chapter 24 explosives preparation 16 the preparation of nitro phenyl salts 12 chapter 25 explosives preparation 17 the preparation of nitrates chlorates and perchlorates 13 chapter 26 explosives preparation 18 the preparation of nitro paraffin s and their derivatives 14 chapter

27 explosives preparation 19 the preparation of miscellaneous explosives the fourth edition is the standard for explosives science and technology of the most used energetic compounds the book is a perfect reference for students government agencies government contractors and enthusiasts the preparatory manual of explosives radical extreme experimental explosives chemistry vol 1 is broken down into section 1 a introduction b dual bonding c the element nitrogen d the element oxygen e the element chlorine f introduction to filtration 1 gravity filtration a fluting filter paper for use in gravity filtration 2 vacuum filtration suction filtration a general laboratory techniques methods of heating 1 free flame 2 steam bath or water bath 3 oil bath 4 electric heating mantles 5 hot plates a methods of cooling 1 cold water bath 2 ice water bath 3 standard ice bath 4 salt ice bath 5 dry ice acetone bath a cooling tricks of the trade b recrystallization and solid product recovery c recrystallization 1 general recrystallization utilizing heat only a working example of recrystallization using heat only 2 recrystallization using seed crystals 3 recovering the product through low heat and vacuum a washing liquids b washing solids using non vacuum techniques c washing solids using vacuum techniques d drying solids e drying liquids to remove water f laboratory safety g laboratory glassware h laboratory equipment section 2 intermediates reagents and solvents section 3 experimental explosives chemistry theoretical preparation 1 1 3 5 trinitrohexazinane azinane theoretical preparation 2 trisodium hexazinane 1 3 5 triide sod theoretical preparation 3 3 3 3 hexazinane 1 3 5 triyltris triaza 1 2 dien 2 ium 1 ide hexaazide hta theoretical preparation 4 diammonium trioxidane 1 3 diide diammonium trioxide datd theoretical preparation 5 3 3 trioxidane 1 3 diylbis triaza 1 2 dien 2 ium 1 ide ttd theoretical preparation 6 benzene 1 3 5 triyltris chlorane nonaoxide btcn chlorane 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dinitrate aluminum 3h dinitrate aluminum 3 3 dinitrate 2h 3h aluminum d the preparatory manual of chemical warfare agents third edition is a massive upgrade from its previous version the preparatory manual of chemical warfare agents third edition volume 1 includes many upgraded data and informational contents on the worlds most common chemical warfare agents these existing warfare agents in volume 1 include updated toxicity data and information regarding environmental persistence contamination degree lethal dose and biological routes of entry and bodily function as well each chemical entry includes updated molecular formulas for preparation and structure 3d molecular images molecular physical properties and laboratory chemistry procedures and safety the third edition volume 1 includes brand new chapters and sections including section i laboratory tutorial and reference guide chapter 1 laboratory tutorial on techniques and procedures chapter 2 reference guide section ii lachrymator disabling and irritant agents chapter 3 physical nature of lachrymator disabling and irritant substances chapter 4 preparation of lachrymator disabling and irritant substances section iii blood agents chapter 5 physical nature of blood agents chapter 6 the preparation of blood agents section iv blister agents potent vesicants tissue damaging agents chapter 7 physical nature of blister agents including sulfur mustards nitrogen mustards and arsenicals chapter 8 preparation of blister agents including sulfur mustards nitrogen mustards and arsenicals section v nerve agents potent acetylcholinesterase inhibitors chapter 9 physical nature of nerve agents and chapter

10 preparation of nerve agents the preparatory manual of chemical warfare agents third edition volume 1 is an extremely valuable reference book used to teach scientific laboratory and toxicity data for students researchers government agencies contractors first responders and military operatives chapters are formulated to cover all the oral diseases as per bds undergraduate syllabus covers all the current concepts of the subject in a question answer format for better understanding of the students describes oral lesions in a well structured format including definition pathogenesis clinical features radiographic features histopathology differential diagnosis and prognosis and predictive factors provides simple explanations list of possible questions for each topic hand drawn histopathology diagrams flowcharts tables and schematic illustrations for better comprehension of the subject contributors are added for a broader scope of knowledge this book is a practical guide to assist students with preparation for pathology examinations divided into three sections the text begins with discussion on general pathology covering cellular responses to injury wound healing inflammation genetic disorders and more the second section discusses blood cells and clinical pathology and section three covers systemic pathology including disorders of the heart lung pancreas kidney endocrine system skin and much more the third edition of this comprehensive manual has been fully revised to provide students with the latest information in the field many new topics and illustrations are new to this edition keywords are highlighted throughout the text and numerous photographs diagrams and tables further enhance the book also included is an extensive bibliography as well as three appendices detailing key pathologies and cells and laboratory values key points practical guide to pathology for medical students covers general pathology haematology and clinical pathology and systemic pathology fully revised third edition with many new topics and images previous edition 9789386261212 published in 2016 this book is a practical revision aid for postgraduate orthopaedic trainees preparing for examinations based on 12 years previous examinations this second edition has been fully revised and updated in line with current curricula presented in a simple question and answer format the text is divided into six sections based on different aspects of the specialty general topics general orthopaedics trauma regional orthopaedics neoplasia and miscellaneous topics and recent advances questions on bone and joint disorders and paediatric orthopaedics are also included figures and flowcharts help explain anatomy and algorithms and approaches to treatment methods also included with this edition is online access to video lectures notes and self assessment the previous edition 9789389587098 published in 2019 section 1 anatomy 1 introduction to human anatomy 3 2 cell and its components and cell division 6 3 epithelial tissue 14 4 connective tissue 24 5 bone and cartilage 29 6 joints 55 7 muscular system 71 8 integumentary system 98 9 nervous system 105 10 special senses 134 11 cardiovascular system 144 12 respiratory system 175 13 digestive system 193 14 urinary system 218 15 reproductive system 238 16 endocrine system 270 section 2 physiology 17 general physiology 285 18 blood and immunity 293 19 nerve and muscle physiology 308 20 gastrointestinal system 318 21 endocrine system 331 22 reproductive system 344 23 renal system 354 24 cardiovascular system 361 25 respiratory system 373 26 neurophysiology 390 27 special senses 40 the broad goal of teaching biochemistry to undergraduate students is to make them understand the scientific basis of the life processes at the molecular level and to orient them towards the application of the knowledge acquired in solving clinical problems it covers entire syllabus of biochemistry as per guidelines of medical council of india with more emphasis on clinical application of the subject it attempts at exposing the students to the ideal answers to questions often asked in examination the questions not only test the knowledge but also incorporate the clinical applied aspects of biochemistry which are so important to help the students to think out of the box salient features provides the essential knowledge of biochemistry in question answer format focus specifically on the concepts frequently tested in exams supports text with adequate number of line diagrams flowcharts and tables to facilitate greater retention of knowledge emphasises on systematic presentation of content maintaining a sequential flow of information help in recollecting text easily additional feature complimentary access to full e book with clinical cases and chapter wise multiple choice questions and viva voce questions 1 genetic disorders 2 infection 3 rheumatic disorders 4 crystal deposition disorder 5 osteoarthritis 6 avascular necrosis osteonecrosis 7 metabolic and endocrine disorders 8 bone tumors 9 amputations 10 sports injury 11 fractures 12 fractures around hip joint 13 fracture around knee and above 14 fracture around ankle and above 15 fracture around shoulder 16 fracture around elbow joint 17 fractures around wrist 18 spinal disorders 19 short notes 20 practical examination orthopedics 21 short cases 22 operative 23 instruments 24 implants 25 x rays index

The Preparatory Manual of Explosives Fourth Edition 2014-06-04

the preparatory manual of explosives fourth edition is a massive upgrade from the third edition and has been completely re written the material has been completely re done with more emphases on detailed preparatory methods safety and hazard info molecular information and data structures and equations and new chapters the fourth edition includes numerous illustrations and data charts and tables and includes improved procedures processes and information written with professional standards but given a new improved bases so that the general student can read and understand the context far better then seen in the third edition as well the fourth edition includes valuable toxicity and physical properties data and exhaustively describes each process in a new format and style not seen in the third edition the fourth edition will no doubt become the standard for explosives science and technology the preparatory manual of explosive fourth edition is an outstanding laboratory and training manual and reference for students government agencies government contractors civil authorities and enthusiasts

The Preparatory Manual of Black Powder and Pyrotechnics, Version 1.4 2007-11

the preparatory manual of black powder and pyrotechnics is a new recipe handbook discussing the worlds most commonly used pyrotechnic compositions the book contains multiple sections on pyrotechnics including black powder high performance rocket propellants and gun propellants general pyrotechnic compositions specialty and experimental compositions and fireworks the book even includes sections on specialty pyrotechnic compositions such as incendiary compositions cloud seeding compositions and pyrotechnic welding compositions all compositions are discussed in great detail with complete processes for manufacture the book discusses a total of 1187 pyrotechnic compositions all with a variety of uses and methods of production version 1 4 is the same as the original version but includes updated hazard information and a test and review section

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The Preparatory Manual of Explosives 2007

the preparatory manual of explosives third edition is an invaluable reference manual covering the preparation and use of 166 of the most influential explosive compounds known to man the book is also an excellent and powerful collection of over 175 years of explosives science the preparatory manual of explosives third edition is a laboratory manual that has been broken down into easy to understand chapters starting with basic chemistry and laboratory techniques then leading up to explosives dynamics and finally leading up to the preparation of the explosives themselves in detail the preparatory manual of explosives third edition is an excellent reference book for anyone s book collection and the book will enlighten the reader in the art of explosives chemistry and science

PREPARATORY MANUAL OF PATHOLOGY FOR UNDERGRADUATE STUDENTS

2018-07-30

written in question answer form the book covers all the topics of pathology asked repeatedly in university examinations flowcharts figures and microphotographs have been added to help the student cover revise the subject in a limited time and earn valuable marks in theory practical and viva voce examinations

Exam Preparatory Manual for Undergraduates: Medicine

2018-09-30

the new edition of this revision manual provides students with the latest advances and information in medicine divided into 25 chapters the text covers the diagnosis and management of diseases and disorders in all medical subspecialties the second edition has been fully revised and features new topics including recent advances new drugs geriatrics and immunology disease aetiology diagnostic procedures radiological investigations and basics of ecg readings are discussed in depth important clinical examination oriented questions are included in each section with key points emphasised to assist revision the comprehensive text is highly illustrated with clinical photographs and diagrams important management techniques are highlighted in coloured tables key points comprehensive revision manual covering all medical subspecialties for undergraduates fully revised second edition featuring many new topics includes clinical examination oriented questions to assist revision previous edition 9789386056610 published in 2016

Orthodontics: Preparatory Manual for Undergraduates- E Book

2016-06-30

this book has been accepted well as an indispensable book among dental undergraduates and dentists who need smooth transition into the field of orthodontics the significant information presented in highly organized framework had successfully suited various educational settings be it exam preparation or understanding theoretical models or practical implications for clinical practice this edition is upgraded and offers more succinct content based on the enormous current knowledge available in the theory and research sector of orthodontics satisfying the amended syllabus norms of dental council of india and various international universities the single colour format that have been replaced with vivid colours to convey textbook structure effortlessly the entire book had been grouped into 11 sections with every chapter containing optimized outline to provide a gist of what to explore numerous subsections and a thorough index that favours quick access to the readers illustrations that can be readily associated with the learned concepts for correlation interpretation and recollection by the students tables flowcharts and figures that are revisited revised and refurbished additional accessory points as it had been relied for challenging competitive evaluations a new format of advanced learning have been introduced exclusively for students with voracious interest in orthodontics

Community Medicine Preparatory Manual for Undergraduates, 3rd

Edition - E-Book 2021-08-04

community medicine preparatory manual for undergraduates 3rd edition e book

Obstetrics: Prep Manual For Undergraduates 2005

the preparatory manual of explosives radical extreme experimental explosives chemistry vol 1 is a first of its kind theoretical and ideological laboratory manual discussing the preparation of 67 high explosives that are not in current use or are being investigated for future use the book is an amazing collection of unique and fascinating explosives never before seen and includes detailed preparation processes physical properties and molecular information each explosive is discussed in detail and includes each explosives potential use including detailed chemistry reaction equations and detailed structure and apparatus the preparatory manual of explosives radical extreme experimental explosives chemistry vol 1 will redefine the world of explosives and usher in a new era of explosives chemistry for the 21st century and will accommodate for many new educational purposes and commercial and military operations

The Preparatory Manual of Explosives: Radical, Extreme, Experimental Explosives Chemistry Vol. 1 2010-10-05

this is the first book of its type meant for medical laboratory technology students covering all theoretical and practical aspects related to pathology it is written in a simple manner so that the student can grasp the subject and can recall it easily while writing exams wherever required flowcharts colour diagrams and photomicrographs have been introduced in each section technical aspects in relation to laboratory medicine have been dealt with accurately covered in 84 chapters the book provides concise information on each topic especially from examination point of view the book covers practical and technical aspects of the hematology laboratory including stains bone marrow examinations and coagulation profiles histological techniques including routine stains special stains tissue processing and fixatives histopathology and cytopathology including automation specimen management and electron microscopy laboratory management including quality control job analysis record keeping and inventories clinical pathology including fluid urine and semen analysis transfusion medicine and immunohematology including blood grouping crossmatching and plasmapheresis

Preparatory Manual of Pathology 2019-01-30

the preparatory manual of black powder and pyrotechnics version 4.0 is newly revised and upgraded the book has been broken down into 2 volumes to accommodate the reader and save them money volume 2 includes chapter 7 general pyrotechnic compositions ii including section 1 illumination flare and signaling compositions section 2 pyrotechnic delay compositions and section 3 incendiary compositions chapter 8 specialty non propellant pyrotechnic compositions including section 1 cloud seeding compositions section 2 pyrotechnic solid welding compositions section 3 gas generating compositions for various purposes section 4 pyrotechnic dissemination compositions for disseminating chemical agents pesticides and herbicides and section 5 miscellaneous pyrotechnic compositions section 6 experimental pyrotechnic compositions chapter 9 fireworks compositions including section 1 solid rocket propellant compositions section 2 firework star compositions section 3 firework effects stars section 4 firework strobe smoke stars and smoke agents section 5 fountains and cones fountain construction phase 1 phase 1 fountain and cone compositions primary charge base fountain construction phase 2 fountain construction phase 3 and fountain construction phase 4 section 6 sparklers and related items section 7 flash bursting charges priming and exploding compositions section 8 miscellaneous novelty compositions section 9 adn compositions for use in fireworks references table of important chemicals used in pyrotechnics test and review

The Preparatory Manual of Black Powder and Pyrotechnics Version 4.0 Volume 2 2018-03-11

the preparatory manual of explosives fourth edition is a massive upgrade from the third edition and has been completely re written the material has been completely re done with more emphases on detailed preparatory methods safety and hazard info molecular information and data

structures and equations and new chapters the fourth edition includes numerous illustrations and data charts and tables and includes improved procedures processes and information written with professional standards but given a new improved bases so that the general student can read and understand the context far better then seen in the third edition as well the fourth edition includes valuable toxicity and physical properties data and exhaustively describes each process in a new format and style chapters in volume 1 include 1 chapter 1 introduction to chemistry a quick lesson in general chemistry 2 chapter 2 familiarization with laboratory techniques 3 chapter 3 laboratory apparatus 4 chapter 4 chemistry theory and calculations 5 chapter 5 the dynamics of explosives 6 chapter 6 improvised explosives and operations 7 chapter 7 familiarization with explosive munitions 8 chapter 8 intermediates reagents and solvents used in the preparation of explosives 9 chapter 9 explosives preparation 1 the preparation of metal azides fulminates and nitrides 10 chapter 10 explosives preparation 2 the preparation of organic azides and azo nitros 11 chapter 11 explosives preparation 3 the preparation of aza oxa nitramines 12 chapter 12 explosives preparation 4 the preparation of cyclic nitramines 13 chapter 13 explosives preparation 5 the preparation of nitramines the fourth edition is the standard for explosives science and technology of the most used energetic compounds the book is a perfect reference for students government agencies government contractors and enthusiasts

The Preparatory Manual of Chemical Warfare Agents 2003-01-01

the preparatory manual of chemical warfare agents third edition is a massive upgrade to a laboratory history of chemical warfare agents and it s original title has been re established the book includes many upgraded information on existing warfare agents including updated molecular formulas 3d molecules and molecular data this third edition includes brand new chapters and sections including a chapter discussing the complete preparation and data of nerve agent antidotes a huge section on the preparation of potential and experimental warfare agents nerve agents including a valuable section and chapter on the complete preparation and data of nerve agent intermediates a section and chapter on the complete preparation and data on the incapacitating agent bz and military weaponization a complete and in depth section and chapter on the extraction isolation and military weaponization of ricin and a upgrade to methods of chemical dissemination i e chemical warfare munitions

The Preparatory Manual of Explosives Fourth Edition Volume 1 2014-12

the second edition of this book is thoroughly revised as per guidelines of national medical commission in accordance with the competency based curriculum of biochemistry the questions not only test the knowledge but also incorporate the clinical applied aspects of biochemistry which are so important to help the students to think out of the box uniquely presented in question answer format covering all categories of questions that are expected in a university exam in concise manner for rapid revision covers questions which can be asked in different way different questions by same answers this helps students to write answers for these questions in exams answers presented in bullet points supported with tables boxes and figures helps students to frame answers to questions and replicate the same in exams complex key information is summarized in tables helps in quick revision during exams and also breaks monotony text applied aspects provided at appropriate places in colored boxes adds more clarity to the answer provided recapitulation of points to ponder at the end of text for quick revision prepares students for both theory and viva voce reorganized topics in the same order as presented in new curriculum insight into the biochemistry cbme curriculum with respect to attitude ethics and communication aetcom early clinical exposure ece and self directed learning in order to help in the making of the indian medical graduate ensured coverage of all competency codes integrated within the text as per new competency based undergraduate curriculum inclusion of 250 multiple choice questions and 500 short questions and viva voce for self assessment of the topics studied insertion of clinical cases along with answers to clinical cases at the end of the book to help understand the biochemical basis of disease and its management

"THE ULTIMATE" Psychiatry Oral Board Preparation: Preparatory

Manual of Style on the Art of Case Presentation for the ABPN Oral Psychiatry Examination 2009

an invaluable reference manual providing quick answers to the preparation of 121 explosives and dozens of corresponding explosives compositions the manual is perfect for students researchers and truth gatherers the manual also includes a comprehensive tutorial for laboratory techniques and procedures including distillation extraction and recrystallization this manual will help the reader better understand the art of explosives and the chemistry there of

The Preparatory Manual of Chemical Warfare Agents Third Edition 2012-05

the fifth edition of this book is a must have for all undergraduate medical students as it prepares them for both theory and viva voce examinations it is also useful for paramedical dental homeopathy and ayurveda students besides those preparing for pg entrance examinations it covers entire syllabus of physiology laid down by the medical council of india and health universities across the country salient features systemize presentation of text in question answer format helps in revision and self assessment before examination extensively revised updated and strengthened to keep up with the latest changes in the standard books of physiology thoroughly revised topics like blood nerve and muscle cardiovascular system and central nervous system large number of diagrams tables and flowcharts to facilitate quick learning and greater retention of knowledge

Medical Biochemistry: Preparatory Manual for Undergraduates_2e-E-book 2021-03-20

chapter 1 growth and its disorders chapter 2 normal and abnormal development chapter 3 adolescent health chapter 4 behavioral disorders chapter 5 immunization chapter 6 fluid and electrolyte disturbances chapter 7 nutrition chapter 8 micronutrients in health and disease chapter 9 neonatology chapter 10 infections and infestations chapter 11 covid 19 chapter 12 disorders of gastrointestinal system chapter 13 hematological disorders chapter 14 disorders of respiratory system chapter 15 disorders of cardiovascular system chapter 16 disorders of kidney and urinary tract chapter 17 endocrine disorders chapter 18 central nervous system and neuromuscular disorders chapter 19 childhood malignancies chapter 20 pediatric rheumatology chapter 21 childhood genetic disorders chapter 22 inborn errors of metabolism chapter 23 diseases of the eye chapter 24 pediatric dermatology chapter 25 common ent problems chapter 26 pediatric dentistry chapter 27 poisonings and accidents chapter 28 pediatric critical care chapter 29 pediatric surgical conditions chapter 30 community pediatrics chapter 31 pediatrics made easy for practical exam chapter 32 aetcom and skill modules annexures index

The Preparatory Manual of Explosives 2002-07-01

the preparatory manual of black powder and pyrotechnics version 4 0 is newly revised and upgraded the book has been broken down into 2 volumes to accommodate the reader and save them money volume 1 includes chapter 1 pyrotechnic compositions including 1a introduction to pyrotechnics 2b what makes pyrotechnic compositions what they are 3a the nature of reducing agents verse oxidizing agents 4a deflagration and the process of combustion 5a non oxidizing pyrotechnics and their nature 6a methods of forming pyrotechnic compositions and 7a how to use this manual chapter 2 black powder 3 modified black powder chapter 4 high performance rocket propellants including section 1 ammonium perchlorate rocket propellants section 2 ammonium dinitramide adn rocket propellants section 3 ammonium nitrate containing rocket propellants and section 4 miscellaneous containing chapter 5 non black powder gun propellants including section 1 ammonium nitrate containing section 2 nitrocellulose containing and section 3 miscellaneous gun propellants chapter 6 general pyrotechnic compositions i including section 1 bullet tracer compositions section 2 match head compositions section 3 smoke generating compositions and section 4 pyrotechnic igniter starter and primer compositions references

Physiology: Prep Manual for Undergraduates 2014-11-26

since the inception of second edition of prep manual a large body of knowledge has become available in various areas of medicine the third edition has been substantially revised and updated incorporating the most recent knowledge in the subject almost every chapter has been revised or rewritten and many new topics in each chapter have been added it is hoped that this edition will fulfill all the needs of an undergraduate medical student in addition the basic concepts presented in this edition will be useful to the postgraduate students also the third edition provides a new and comprehensive update of medicine about the author k george mathews md associate specialist department of orthogeriatrics torbay hospital torquay devon london praveen aggarwal md dnb professor division of emergency medicine all india institute of medical sciences new delhi

Exam Preparatory Manual for Undergraduates: Pediatrics 2022-01-17

the preparatory manual of explosives fourth edition is a massive upgrade from the third edition and has been completely re written the material has been completely re done with more emphases on detailed preparatory methods safety and hazard info molecular information and data structures and equations and new chapters the fourth edition includes numerous illustrations and data charts and tables and includes improved procedures processes and information written with professional standards but given a new improved bases so that the general student can read and understand the context far better then seen in the third edition as well the fourth edition includes valuable toxicity and physical properties data and exhaustively describes each process in a new format and style chapters in volume 2 include 1 chapter 14 explosives preparation 6 the preparation of nitramine salts 2 chapter 15 explosives preparation 7 the preparation of amino nitro benzenes 3 chapter 16 explosives preparation 8 the preparation of nitro benzenes 4 chapter 17 explosives preparation 9 the preparation of poly nitro benzenes 5 chapter 18 explosives preparation 10 the preparation of nitrate esters 6 chapter 19 explosive preparation 11 the preparation of polyhydric nitrate esters 7 chapter 20 explosives preparation 12 the preparation of nitrate ester nitramines 8 chapter 21 explosives preparation 13 the preparation of nitro triazoles 9 chapter 22 explosives preparation 14 the preparation of nitro tetrazoles 10 chapter 23 explosives preparations 15 the preparation of nitro phenyls 11 chapter 24 explosives preparation 16 the preparation of nitro phenyl salts 12 chapter 25 explosives preparation 17 the preparation of nitrates chlorates and perchlorates 13 chapter 26 explosives preparation 18 the preparation of nitro paraffin s and their derivatives 14 chapter 27 explosives preparation 19 the preparation of miscellaneous explosives the fourth edition is the standard for explosives science and technology of the most used energetic compounds the book is a perfect reference for students government agencies government contractors and enthusiasts

The Preparatory Manual of Black Powder and Pyrotechnics Version 4. 0 Volume 1 2018-03-11

the preparatory manual of explosives radical extreme experimental explosives chemistry vol 1 is broken down into section 1 a introduction b dual bonding c the element nitrogen d the element oxygen e the element chlorine f introduction to filtration 1 gravity filtration a fluting filter paper for use in gravity filtration 2 vacuum filtration suction filtration a general laboratory techniques methods of heating 1 free flame 2 steam bath or water bath 3 oil bath 4 electric heating mantles 5 hot plates a methods of cooling 1 cold water bath 2 ice water bath 3 standard ice bath 4 salt ice bath 5 dry ice acetone bath a cooling tricks of the trade b recrystallization and solid product recovery c recrystallization 1 general recrystallization utilizing heat only a working example of recrystallization using heat only 2 recrystallization using seed crystals 3 recovering the product through low heat and vacuum a washing liquids b washing solids using non vacuum techniques c washing solids using vacuum techniques d drying solids e drying liquids to remove water f laboratory safety g laboratory glassware h laboratory equipment section 2 intermediates reagents and solvents section 3 experimental explosives chemistry theoretical preparation 1 1 3 5 trinitrohexazinane azinane theoretical preparation 2 trisodium hexazinane 1 3 5 triide sod theoretical preparation 3 3 3 3 hexazinane 1 3 5 triyltris triaza 1 2 dien 2 ium 1 ide hexaazide hta theoretical preparation 4 diammonium trioxidane 1 3 diide diammonium trioxide datd theoretical preparation 5 3 3

trioxidane 1 3 diylbis triaza 1 2 dien 2 ium 1 ide tddd theoretical preparation 6 benzene 1 3 5 triyltris chlorane nonaoxide btcn chlorane theoretical preparation 7 2 4 6 trinitro 1 3 5 2 4 6 trioxatriazinane tntota oxatriazinane theoretical preparation 8 2 4 6 trinitrobenzene 1 3 5 triyl tris chlorane nonaoxide chlorane theoretical preparation 9 1 3 5 triazido 2 4 6 trinitrobenzene nitrazide tatnb theoretical preparation 10 1 3 5 trinitrohexasilinane nitrosilane 2 tnhs theoretical preparation 11 1 3 5 trinitro 1 3 5 tris nitrooxy hexasilinane 1 3 5 triium tnnhs si 135 theoretical preparation 12 1 3 5 trinitrohexaphosphinane tnhp high explosive phosphorus theoretical preparation 13 pentanitro l5 phosphane 5 pnp theoretical preparation 14 trinitroamine oxide tnaox nitrooxide theoretical preparation 15 pentachloryl l5 phosphane theoretical preparation 16 tetranitrodiborane tndb nitro boron theoretical preparation 17 1 2 3 4 5 6 hexanitrocyclohexaborane knchb 6 nitrocycloborane theoretical preparation 18 n perchlorylperchloric hydrazide n pcph perchloryl hydrazine theoretical preparation 19 tetranitrohydrazine tnh x theoretical preparation 20 hexaaza 1 2 4 5 tetraene 2 5 diium 1 6 diide hexazide htdd theoretical preparation 21 hexaazidobenzene haab 6 azide theoretical preparation 22 1 2 3 4 5 6 hexanitro 1l4 2l4 3l4 4l4 5l4 6l4 hexathiine nitro hexathiine gamma hnh theoretical preparation 23 pentakis dioxidobromanyl l5 chlorane chlorane pentabromate chloride pddbc theoretical preparation 24 hexa 1 3 5 triyne 1 6 diyl dinitrate htdd poly acetylene dinitrate theoretical preparation 25 1 2 3 4 5 6 hexanitrohexa 1 3 5 triene 1 6 diyl dinitrate hnhtdd hexanitro triene triene dinitrate theoretical preparation 26 1z 3e 5z 1 2 3 4 5 6 hexaazidohexa 1 3 5 triene 1 6 diyl dinitrate ez azido triene hahtdn theoretical preparation 27 1 2 3 4 5 6 hexafluoro 1 2 3 4 5 6 hexaperchlorylhexane 1 6 diyl dinitrate fluoroperchlorylhexane hfgphdd theoretical preparation 28 3 3 4 3 ter 1 2 dioxetane 4 4 diyl dinitrate dioxetane dioxetane dinitrate ter ddd theoretical preparation 29 2h 3 h 3 h 2 2 3 2 teraluminum 3 3 diyl dinitrate aluminum 3h dinitrate aluminum 3 3 dinitrate 2h 3h aluminum d

Medicine: Prep Manual for Undergraduates, 3/e 2008

the preparatory manual of chemical warfare agents third edition is a massive upgrade from its previous version the preparatory manual of chemical warfare agents third edition volume 1 includes many upgraded data and informational contents on the worlds most common chemical warfare agents these existing warfare agents in volume 1 include updated toxicity data and information regarding environmental persistence contamination degree lethal dose and biological routes of entry and bodily function as well each chemical entry includes updated molecular formulas for preparation and structure 3d molecular images molecular physical properties and laboratory chemistry procedures and safety the third edition volume 1 includes brand new chapters and sections including section i laboratory tutorial and reference guide chapter 1 laboratory tutorial on techniques and procedures chapter 2 reference guide section ii lachrymator disabling and irritant agents chapter 3 physical nature of lachrymator disabling and irritant substances chapter 4 preparation of lachrymator disabling and irritant substances section iii blood agents chapter 5 physical nature of blood agents chapter 6 the preparation of blood agents section iv blister agents potent vesicants tissue damaging agents chapter 7 physical nature of blister agents including sulfur mustards nitrogen mustards and arsenicals chapter 8 preparation of blister agents including sulfur mustards nitrogen mustards and arsenicals section v nerve agents potent acetylcholinesterase inhibitors chapter 9 physical nature of nerve agents and chapter 10 preparation of nerve agents the preparatory manual of chemical warfare agents third edition volume 1 is an extremely valuable reference book used to teach scientific laboratory and toxicity data for students researchers government agencies contractors first responders and military operatives

The Preparatory Manual of Explosives Fourth Edition Volume 2 2014-12

chapters are formulated to cover all the oral diseases as per bds undergraduate syllabus covers all the current concepts of the subject in a question answer format for better understanding of the students describes oral lesions in a well structured format including definition pathogenesis clinical features radiographic features histopathology differential diagnosis and prognosis and predictive factors provides simple explanations list of possible questions for each topic hand drawn histopathology diagrams flowcharts tables and schematic illustrations for better comprehension of the subject contributors are added for a broader scope of knowledge

The Preparatory Manual of Explosives 2018-11-25

this book is a practical guide to assist students with preparation for pathology examinations divided into three sections the text begins with discussion on general pathology covering cellular responses to injury wound healing inflammation genetic disorders and more the second section discusses blood cells and clinical pathology and section three covers systemic pathology including disorders of the heart lung pancreas kidney endocrine system skin and much more the third edition of this comprehensive manual has been fully revised to provide students with the latest information in the field many new topics and illustrations are new to this edition keywords are highlighted throughout the text and numerous photographs diagrams and tables further enhance the book also included is an extensive bibliography as well as three appendices detailing key pathologies and cells and laboratory values key points practical guide to pathology for medical students covers general pathology haematology and clinical pathology and systemic pathology fully revised third edition with many new topics and images previous edition 9789386261212 published in 2016

The Preparatory Manual of Narcotics 2003-06-01

this book is a practical revision aid for postgraduate orthopaedic trainees preparing for examinations based on 12 years previous examinations this second edition has been fully revised and updated in line with current curricula presented in a simple question and answer format the text is divided into six sections based on different aspects of the specialty general topics general orthopaedics trauma regional orthopaedics neoplasia and miscellaneous topics and recent advances questions on bone and joint disorders and paediatric orthopaedics are also included figures and flowcharts help explain anatomy and algorithms and approaches to treatment methods also included with this edition is online access to video lectures notes and self assessment the previous edition 9789389587098 published in 2019

Exam Preparatory Manual for Undergraduates 2015-12-20

section 1 anatomy 1 introduction to human anatomy 3 2 cell and its components and cell division 6 3 epithelial tissue 14 4 connective tissue 24 5 bone and cartilage 29 6 joints 55 7 muscular system 71 8 integumentary system 98 9 nervous system 105 10 special senses 134 11 cardiovascular system 144 12 respiratory system 175 13 digestive system 193 14 urinary system 218 15 reproductive system 238 16 endocrine system 270 section 2 physiology 17 general physiology 285 18 blood and immunity 293 19 nerve and muscle physiology 308 20 gastrointestinal system 318 21 endocrine system 331 22 reproductive system 344 23 renal system 354 24 cardiovascular system 361 25 respiratory system 373 26 neurophysiology 390 27 special senses 40

Exam Preparatory Manual for Undergraduates: Obstetrics & Gynecology 2023-06-16

the broad goal of teaching biochemistry to undergraduate students is to make them understand the scientific basis of the life processes at the molecular level and to orient them towards the application of the knowledge acquired in solving clinical problems it covers entire syllabus of biochemistry as per guidelines of medical council of india with more emphasis on clinical application of the subject it attempts at exposing the students to the ideal answers to questions often asked in examination the questions not only test the knowledge but also incorporate the clinical applied aspects of biochemistry which are so important to help the students to think out of the box salient features provides the essential knowledge of biochemistry in question answer format focus specifically on the concepts frequently tested in exams supports text with adequate number of line diagrams flowcharts and tables to facilitate greater retention of knowledge emphasises on systematic presentation of content maintaining a sequential flow of information help in recollecting text easily additional feature complimentary access to full e book with clinical cases and chapter wise multiple choice questions and viva voce questions

The Preparatory Manual of Chemical Warfare Agents Third Edition Volume 1 2017-11

1 genetic disorders 2 infection 3 rheumatic disorders 4 crystal deposition disorder 5 osteoarthritis 6 avascular necrosis osteonecrosis 7 metabolic and endocrine disorders 8 bone tumors 9 amputations 10 sports injury 11 fractures 12 fractures around hip joint 13 fracture around knee and above 14 fracture around ankle and above 15 fracture around shoulder 16 fracture around elbow joint 17 fractures around wrist 18 spinal disorders 19 short notes 20 practical examination orthopedics 21 short cases 22 operative 23 instruments 24 implants 25 x rays index

Oral Pathology: Exam Preparatory Manual for Undergraduates 2012-09-14

Last Minute Revision Exam Preparatory Manual of Forensic Medicine and Toxicology 2021-05-31

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