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KEY=2010 - LIA DILLON

CSEC CHEMISTRY

EXAMINATION PRACTICE

HOW TOBACCO SMOKE CAUSES DISEASE

THE BIOLOGY AND BEHAVIORAL BASIS FOR SMOKING-ATTRIBUTABLE DISEASE : A REPORT OF THE SURGEON GENERAL

U.S. Government Printing Office This report considers the biological and behavioral mechanisms that may underlie the pathogenicity of tobacco smoke. Many Surgeon General's reports have considered research findings on mechanisms in assessing the biological plausibility of associations observed in epidemiologic studies. Mechanisms of disease are important because they may provide plausibility, which is one of the guideline criteria for assessing evidence on causation. This report specifically reviews the evidence on the potential mechanisms by which smoking causes diseases and considers whether a mechanism is likely to be operative in the production of human disease by tobacco smoke. This evidence is relevant to understanding how smoking causes disease, to identifying those who may be particularly susceptible, and to assessing the potential risks of tobacco products.

ORGANIC SYNTHESIS IN WATER

Springer Science & Business Media The use of water as a medium for promoting organic reactions has been rather neglected in the development of organic synthesis, despite the fact that it is the solvent in which almost all biochemical processes take place. Chemists have only recently started to appreciate the enormous potential water has to offer in the development of new synthetic reactions and strategies, where it can offer benefits in both unique chemistry and reduced environmental impact. In this new book, the editor, well known for his contribution to the development of water as a useful medium in synthetic organic chemistry, has assembled an international team of authors, themselves at the forefront of research into the use of the unique properties of water carrying out organic transformations, to provide a timely and concise overview of current research. By focusing on the practical use of water in synthetic organic chemistry, and with the concern for the use of solvents in organic chemistry, professional chemists, particularly those involved in industrial research and development, will find this book an essential guide to the current state of the art, and a useful starting point in their own research. Academic chemists, including postgraduate and advanced undergraduate students, will find this book an invaluable guide to this exciting and important area of chemistry.

CHEMISTRY

A CONCISE REVISION COURSE FOR CXC

Nelson Thornes NO description available

THE PERFORMANCE ECONOMY

Springer This updated and revised edition outlines strategies and models for how to use technology and knowledge to improve performance, create jobs and increase income. It shows what skills will be required to produce, sell and manage performance over time, and how manual jobs can contribute to reduce the consumption of non-renewable resources.

CARIBBEAN PEOPLE

Nelson Thornes 'The Caribbean People' is a three-book 'History' series for Secondary schools. Tracing the origins and developments of the Caribbean region, Book 1 starts with Early Civilisation, Tribes and Settlers, followed by Colonisation and Plantations in Book 2. Book 3 looks at modern West Indian society, more recent history and current affairs.

HANDBOOK OF BIOLOGICAL DYES AND STAINS

SYNTHESIS AND INDUSTRIAL APPLICATIONS

John Wiley & Sons A COMPLETE, UP-TO-DATE RESOURCE OF INFORMATION ON MORE THAN 200 DYES AND STAINS Handbook of Biological Dyes and Stains is the most comprehensive volume available on the subject, covering all the available dyes and stains known to date in the literature for use in biology and medicine. Top dye expert Dr. Ram Sabnis organizes the compounds alphabetically by the most commonly used chemical name. He presents an easy-to-use reference complete with novel ideas for breakthrough research in medical, biological, chemical, and related fields. This is the first book to give the CAS registry number, chemical structure, Chemical Abstracts index name, all other chemical names, Merck Index number, chemical/dye class, molecular formula, molecular weight, physical form, solubility, melting point, boiling point, pH range, color change at pH, pKa, absorption, and emission maxima of dyes and stains, as well as to provide access to synthesis procedures (lab scale and industrial scale) of dyes and stains. This user-friendly handbook also features references on safety, toxicity, and adverse effects of dyes and stains on humans, animals, and the environment, including: acute/chronic toxicity aquatic toxicity carcinogenicity cytotoxicity ecotoxicity genotoxicity hepatotoxicity marine toxicity mutagenicity nephrotoxicity neurotoxicity oral toxicity phototoxicity phytotoxicity The use of biological dyes and stains has extremely high potential in today's business environment. This makes Handbook of Biological Dyes and Stains a convenient, must-have reference. Its staining, biological, and industrial applications make it a vital resource for industrial and academic researchers; the book also serves as a valuable desktop reference for medical professionals, biologists, chemists, chemical/optical engineers, physicists, materials scientists, intellectual property professionals, students, and professors.

OCR CHEMISTRY

Letts & Lonsdale The Eighth Doctor faces new perils in this bumper collection of classic comic adventures This volume features eight amazing stories: "The Fallen," "Unnatural Born Killers," "The Road to Hell," "The Company of Thieves," "The Glorious Dead," "The Autonomy Bug," "Happy Deathday," and "TV Action " Also included are two bonus stories from the early days of "Doctor Who Weekly," "Throwback: The Soul of a Cyberman" and "Ship of Fools," telling the origins of Kroton the Cyberman And, a special six-page, behind-the-scenes feature where writers Scott Gray, Alan Barnes, and Adrian Salmon reveal background information on the stories' origins, alongside never-before-seen sketches and character designs from Salmon and fellow artists Martin Geraghty and Roger Langridge.

INTRODUCTION TO CONTINUUM MECHANICS

Newnes Continuum mechanics studies the response of materials to different loading conditions. The concept of tensors is introduced through the idea of linear transformation in a self-contained chapter, and the interrelation of direct notation, indicial notation and matrix operations is clearly presented. A wide range of idealized materials are considered through simple static and dynamic problems, and the book contains an abundance of illustrative examples and problems, many with solutions. Through the addition of more advanced material (solution of classical elasticity problems, constitutive equations for viscoelastic fluids, and finite deformation theory), this popular introduction to modern continuum mechanics has been fully revised to serve a dual purpose: for introductory courses in undergraduate engineering curricula, and for beginning graduate courses.

CHEMICAL NEWS AND JOURNAL OF INDUSTRIAL SCIENCE

LINEAR MODELS IN STATISTICS

John Wiley & Sons The essential introduction to the theory and application of linear models—now in a valuable new edition Since most advanced statistical tools are generalizations of the linear model, it is necessary to first master the linear model in order to move forward to more advanced concepts. The linear model remains the main tool of the applied statistician and is central to the training of any

statistician regardless of whether the focus is applied or theoretical. This completely revised and updated new edition successfully develops the basic theory of linear models for regression, analysis of variance, analysis of covariance, and linear mixed models. Recent advances in the methodology related to linear mixed models, generalized linear models, and the Bayesian linear model are also addressed. *Linear Models in Statistics, Second Edition* includes full coverage of advanced topics, such as mixed and generalized linear models, Bayesian linear models, two-way models with empty cells, geometry of least squares, vector-matrix calculus, simultaneous inference, and logistic and nonlinear regression. Algebraic, geometrical, frequentist, and Bayesian approaches to both the inference of linear models and the analysis of variance are also illustrated. Through the expansion of relevant material and the inclusion of the latest technological developments in the field, this book provides readers with the theoretical foundation to correctly interpret computer software output as well as effectively use, customize, and understand linear models. This modern Second Edition features: New chapters on Bayesian linear models as well as random and mixed linear models Expanded discussion of two-way models with empty cells Additional sections on the geometry of least squares Updated coverage of simultaneous inference The book is complemented with easy-to-read proofs, real data sets, and an extensive bibliography. A thorough review of the requisite matrix algebra has been added for transitional purposes, and numerous theoretical and applied problems have been incorporated with selected answers provided at the end of the book. A related Web site includes additional data sets and SAS® code for all numerical examples. *Linear Model in Statistics, Second Edition* is a must-have book for courses in statistics, biostatistics, and mathematics at the upper-undergraduate and graduate levels. It is also an invaluable reference for researchers who need to gain a better understanding of regression and analysis of variance.

MEMBRANE GAS SEPARATION

John Wiley & Sons Gas separation membranes offer a number of benefits over other separation technologies, and they play an increasingly important role in reducing the environmental impacts and costs of many industrial processes. This book describes recent and emerging results in membrane gas separation, including highlights of nanoscience and technology, novel polymeric and inorganic membrane materials, new membrane approaches to solve environmental problems e.g. greenhouse gases, aspects of membrane engineering, and recent achievements in industrial gas separation. It includes: Hyperbranched polyimides, amorphous glassy polymers and perfluorinated copolymers Nanocomposite (mixed matrix) membranes Polymeric magnetic membranes Sequestration of CO₂ to reduce global warming Industrial applications of gas separation Developed from sessions of the most recent International Congress on Membranes and Membrane Processes, *Membrane Gas Separation* gives a snapshot of the current situation, and presents both fundamental results and applied achievements.

¿QUÉ HAY?

This is a course for students of CSEC Spanish. Relevant and lively, it consists of a Student's Book each with 2 audio CDs, a Workbook and a Teacher's Guide.

ENGINEERING AND CHEMICAL THERMODYNAMICS

John Wiley & Sons Chemical engineers face the challenge of learning the difficult concept and application of entropy and the 2nd Law of Thermodynamics. By following a visual approach and offering qualitative discussions of the role of molecular interactions, Koretsky helps them understand and visualize thermodynamics. Highlighted examples show how the material is applied in the real world. Expanded coverage includes biological content and examples, the Equation of State approach for both liquid and vapor phases in VLE, and the practical side of the 2nd Law. Engineers will then be able to use this resource as the basis for more advanced concepts.

STUDIO THINKING 2

THE REAL BENEFITS OF VISUAL ARTS EDUCATION, SECOND EDITION

Teachers College Press " The first edition of this bestseller was featured in *The New York Times* and *The Boston Globe* for its groundbreaking research on the positive effects of art education on student learning across the curriculum. Capitalizing on observations and conversations with educators who have used the Studio Thinking Framework in diverse settings, this expanded edition features new material, including: The addition of Exhibitions as a fourth Studio Structure for Learning (along with Demonstration-Lecture, Students-at-Work, and Critique). Explanation and examples of the dispositional elements of each Habit, including skill, alertness (noticing appropriate times to put skills to use), and inclination (the drive or motivation to employ skills). A chart aligning Habits to the English Language Arts and Mathematics Common Core. Descriptions of how the Framework has been used inside and outside of schools in curriculum planning, teaching, and assessment across arts and non-arts disciplines. A full-color insert with new examples of student art. Studio Thinking 2 will help advocates explain arts education to policymakers, help art teachers develop and refine their teaching and assessment practices, and assist educators in other disciplines to learn from existing practices in arts education. Lois Hetland is professor and chair of art education at Massachusetts College of Art and Design and senior research affiliate at Project Zero, Harvard Graduate School of Education. Ellen Winner is professor and chair of psychology at Boston College and a senior research associate at Project Zero. Shirley

Veenemais an instructor in visual arts at Phillips Academy in Andover, Massachusetts. Kimberly M. Sheridan is an assistant professor in the College of Education and Human Development and the College of Visual and Performing Arts at George Mason University. "Our decade of using the Studio Thinking Framework in California's schools positions us for success in this new era because of the foundation of reflective, creative, and critical thinking developed in our schools and districts." —From the Foreword to the Second Edition by Louise Music, Executive Director of Integrated Learning, Alameda County Office of Education, Hayward, CA "Studio Thinking[is] a vision not only of learning in the arts but what could be learning most anywhere." —From the Foreword to the First Edition by David N. Perkins, Professor of Education, Harvard Graduate School of Education, and Senior Co-Director of Harvard Project Zero Praise for the First Edition of Studio Thinking— "Winner and Hetland have set out to show what it means to take education in the arts seriously, in its own right." —The New York Times "This book is very educational and would be helpful to art teachers in promoting quality teaching in their classrooms." —School Arts Magazine "Studio Thinking is a major contribution to the field." —Arts & Learning Review "The research in Studio Thinking is groundbreaking and important because it is anchored in the actual practice of teaching artists.... The ideas in Studio Thinking continue to provide a vehicle with which to navigate and understand the complex work in which we are all engaged." —Teaching Artists Journal "Hetland and her colleagues reveal dozens of practical measures that could be adopted by any arts program, inside or outside of the school.... This is a bold new step in arts education." —David R. Olson, Professor Emeritus, University of Toronto "Will be at the top of the list of essential texts in arts education. I know of no other work in art education with this combination of authenticity and insight." —Lars Lindström, Stockholm Institute of Education "The eight studio habits of mind should become a conceptual framework for all preservice art education programs; this book should be read by all early and experienced art educators." —Mary Ann Stankiewicz, The Pennsylvania State University "

THE PRINCIPLES OF CHEMISTRY

LEARNING, CREATING, AND USING KNOWLEDGE

CONCEPT MAPS AS FACILITATIVE TOOLS IN SCHOOLS AND CORPORATIONS

Routledge This fully revised and updated edition of Learning, Creating, and Using Knowledge recognizes that the future of economic well being in today's knowledge and information society rests upon the effectiveness of schools and corporations to empower their people to be more effective learners and knowledge creators. Novak's pioneering theory of education presented in the first edition remains viable and useful. This new edition updates his theory for meaningful learning and autonomous knowledge building along with tools to make it operational – that is, concept maps, created with the use of CMapTools and the V diagram. The theory is easy to put into practice, since it includes resources to facilitate the process, especially concept maps, now optimised by CMapTools software. CMapTools software is highly intuitive and easy to use. People who have until now been reluctant to use the new technologies in their professional lives are will find this book particularly helpful. Learning, Creating, and Using Knowledge is essential reading for educators at all levels and corporate managers who seek to enhance worker productivity.

CAPE ECONOMICS

HarperCollins UK This CAPE Economics Multiple Choice Practice book is an invaluable exam preparation aid for CAPE Economics students. This book provides excellent practice for the multiple choice questions from Paper 1 of the CAPE examination, and has been specially written to help CAPE Economics students improve their Paper 1 exam score.

CHEMISTRY FOR CXC

Heinemann Recommended by the Ministry of Education, Jamaica This very successful text has been completely revised by its authors, two of the region's leading chemistry teachers, to suit the new revised syllabus for CXC Chemistry (General Proficiency). It offers

COLLINS CHEMISTRY WORKBOOK FOR CSEC

Collins This Chemistry Workbook for CSEC is a valuable activity book for CSEC Chemistry students. It covers all aspects of the Caribbean Examinations Council's Certificate of Secondary Education Chemistry syllabus. This book provides excellent practice for the structured question from Paper 2 of the CSEC Examination and is a great aid to revision and examination practice. It has been specially written to help CSEC students maximize their exam scores.

JAMAICAN GOLD

JAMAICAN SPRINTERS

University of West Indies Press "Riddle me this, riddle me that, guess me this riddle, and perhaps not: A we run things, things no run we. Who could that be?" One possible answer: Jamaican sprinters. Enquiring minds want to know: Why do Jamaicans run so fast? Usain Bolt may be the most recent and the most spectacular Jamaican practitioner of the art of speed, but he and Shelly-Ann Fraser stand on the shoulders of giants of both genders, heirs to a pedigree that goes back at least a hundred years to the teenaged Norman Manley and before. For years before the explosion of "Lightning" Bolt on the Beijing Olympics track, the consistent speediness of men and women from this small island had been the subject of serious and humorous speculation, pride and "su-su". What is the "gold" that is mined so consistently by Jamaican sprinters that permits the little country to claim a place among the top five countries, measured in terms of medals per capita of population, in almost every Olympics since the Second World War - and all on the basis of athletics, mostly the sprints (400 metres and under)? Can science explain it? Does the touchy area of genetics - even though, scientifically speaking, there's no such thing as "race" - explain it? For instance, all the current world record holders for the sprints - and most of the former for the past fifty years or so - have been born in the Americas, descendants of slaves of West African lineage. Is running fast "in the blood", so to speak? Or is it as simple as the varieties of yam (twenty-two at last count) to be found on the hills of Jamaica and in the stomachs of its people? Behind the simple tales of the tape are theories and questions that have attracted fourteen specialists from a range of disciplines, from biochemistry to physiology, from genetics to psychiatry, each with an insight, a piece of the puzzle. *Jamaican Gold* presents research and argument, history and biography - and much more - for the specialist and the sports fan, for the academic and the coach, in one attractive, easy-to-read volume, packed with photographs and illustrations, including a special section of memorable photos of the heroes of yesteryear and today. With *Jamaican Gold* to hand, the London Olympics will be just as thrilling, and you'll be closer to answering the question: Why do those Jamaicans run so fast?

EDUCATION FOR THE TWENTY-FIRST CENTURY : ISSUES AND PROSPECTS

United Nations Educational Containing a selection of texts on education prepared during the work of the International Commission on Education for the Twenty-first Century, this volume bears witness to some paradoxes faced by education: to reconcile divergent aims and trends, to embody both continuity and renewal, to encourage conformity and innovation. These papers are intended to complement existing literature to respond to questions that arose in the course of the Commission's work, and to illuminate specific issues that cross disciplines.

THE CHEMICAL NEWS AND JOURNAL OF INDUSTRIAL SCIENCE

WITH WHICH IS INCORPORATED THE "CHEMICAL GAZETTE". A JOURNAL OF PRACTICAL CHEMISTRY IN ALL ITS APPLICATIONS TO PHARMACY, ARTS AND MANUFACTURES

A TRAVELLER'S HISTORY OF THE CARIBBEAN

Interlink Publishing Group Incorporated A concise and authoritative history of the entire region covering the larger nations of the Bahamas, Cuba, Jamaica, Haiti, the Dominican Republic, Puerto Rico and Trinidad and Tobago as well as the smaller islands of the Eastern Caribbean and the French, British, and Dutch territories.

CHEMISTRY IN THE LABORATORY

Macmillan This clearly written, class-tested manual has long given students hands-on experience covering all the essential topics in general chemistry. Stand alone experiments provide all the background introduction necessary to work with any general chemistry text. This revised edition offers new experiments and expanded information on applications to real world situations.

SOLAR HYDROGEN

FUEL OF THE FUTURE

Royal Society of Chemistry With reference to many examples as well as to new technologies, this book provides insight into a crucial technology for our common future.

HISTORY OF SOYBEANS AND SOYFOODS IN SOUTHEAST ASIA (13TH CENTURY TO 2010)

EXTENSIVELY ANNOTATED BIBLIOGRAPHY AND SOURCEBOOK

Soyinfo Center Covers Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar (formerly Burma), Philippines, Singapore, Thailand, Timor-Leste, Vietnam.

METALLOTHIONEIN IV

Birkhäuser The Proceedings of the Fourth International Metallothionein Meeting (MT-97) feature the latest research on metallothionein. The book covers a broad range of topics which provide important information for both basic and clinical investigators. The selected 94 articles in this book are written by the leading scientists in the field around the world. This is an increasingly important, multi-disciplinary area of study that has benefitted from recent advances in concepts and methodologies from other fields.

CONCISE INORGANIC CHEMISTRY

AGRICULTURAL SCIENCE

A JUNIOR SECONDARY COURSE FOR THE CARIBBEAN

This three-part course takes into account recent changes and provides a base for the CXC examination.

CAPE LAW UNIT 1

FOR SELF-STUDY AND DISTANCE LEARNING

Oxford University Press, USA Study Guides for CAPE have been developed and written by CXC to provide CAPE candidates in schools and colleges with resource materials to help them prepare for their exams. Matching the topics in the syllabus, the student-friendly structure and content enable students to develop their skills and confidence as they approach the examination.

FUNDAMENTALS OF INORGANIC MEMBRANE SCIENCE AND TECHNOLOGY

Elsevier Inorganic membrane science and technology is a new field of membrane separation technology which until recently was dominated by the earlier field of polymer membranes. Currently the subject is undergoing rapid development and innovation. The present book describes the fundamental principles of both synthesis of inorganic membranes and membrane supports and also the associated phenomena of transport and separation in a semi-quantitative form. Features of this book: - Examples are given which illustrate the state-of-the-art in the synthesis of membranes with controlled properties - Future possibilities and limitations are discussed - The reader is provided with references to more extended treatments in the literature - Potential areas for future innovation are indicated. By combining aspects of both the science and technology of inorganic membranes this book serves as a useful source of information for scientists and engineers working in this field. It also provides some observations of important investigators who have contributed to the development of this subject.

SOLUTIONS FOR CSEC HISTORY

Supplemental materials of Caribbean History Core Course and Caribbean History Themes Vol I & II for Caribbean Secondary Examinations Council (CSEC).

CHEMISTRY FOR CSEC

Comprehensively explore topics and help students visualise and appreciate chemistry within the Caribbean context as they prepare for the CSEC® Examination. - Engage students with full colour design, colour photographs, clear diagrams and illustrations. - Reinforce and consolidate learning with end of chapter questions and practice exam questions. - Show relevance of Chemistry to everyday life with Caribbean and international examples. - Support SBA portion of the syllabus and offer new detailed content on metals and non-metals in the environment. - Extend learning with extra online resources for students and teachers.

CHEMISTRY FOR CSEC

Oxford University Press, USA Chemistry for CSEC is written by experienced science teachers and authors for students studying for the CSEC general proficiency exam. It is written to double page spreads and illustrated with full colour diagrams and photographs. The book contains practical activities, key facts and case studies to stimulate interest and aid learning, SBA skills chart and references to SBA in the main-body text along with CSEC style questions.

PHYSICAL EDUCATION AND SPORT FOR CSEC

A CXC STUDY GUIDE

Developed with the Caribbean Examinations Council, this Study Guide provides you with support to maximise your performance in CSEC Physical Education and Sport. Written by teachers, examiners and experts in the field, it covers all elements of the syllabus in an easy-to-use double-page-spread format with a range of features to enhance study.

EDEXCEL IGCSE CHEMISTRY

Pearson Education India

PRINCIPLES OF FOOD CHEMISTRY

Westport, Conn. : Avi Publishing Company

LONGMAN GCSE CHEMISTRY

Pearson Longman One of a series of books designed for middle to higher ability students following the revised GCSE Double and Triple Award specifications. Exam-style questions and practice questions aim to facilitate progression from GCSE to AS/S level.

CSEC OFFICE ADMIN
