

ACCESS UPSTREAM ELEMENTARY A2 CLASS CDS

Upstream

This series is specially designed for students from absolute beginner to pre-intermediate level. Each book consists of five modules and provides systematic preparation in all four language skills - listening, speaking, reading and writing - required at these levels. The Student's Book and the Workbook are designed to be covered in approximately 60 to 80 hours of classroom work.

Upstream

This book provides an introduction to the mathematics needed to model, analyze, and design feedback systems. It is an ideal textbook for undergraduate and graduate students, and is indispensable for researchers seeking a self-contained reference on control theory. Unlike most books on the subject, Feedback Systems develops transfer functions through the exponential response of a system, and is accessible across a range of disciplines that utilize feedback in physical, biological, information, and economic systems. Karl Åström and Richard Murray use techniques from physics, computer science.

Upstream

The series is specially designed for students from intermediate to proficiency level. Each book consists of five modules and provides systematic preparation in all four language skills - listening, speaking, reading and writing - required at these levels. The Student's Book and the Workbook are designed to be covered in approximately 100 to 120 hours of classroom work.

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Feedback Systems

1. NTSE for Class 10th is a complete study package for both MAT & SAT 2. The guide is divided into sections and into parts further 3. Separate section has been provided for General knowledge 4. Good number of MCQs are given for mind mapping and retaining concepts 5. 5 solved Papers and Practice Sets are provided for revision Growing talent at a young age leads to a successful academic careers and as well as

professions. Around 3 lacs students appear for the NTSE competition every year, which focuses on the students' conceptual clarity and skills learnt from school syllabus. Grab an opportunity to expand the reach of your talent with 2021-22 edition of "Study Package of NTSE" for Class 10. It is designed on the identical format of the exam giving the complete coverage to the syllabus as prescribed by the board. As you go through the book, the entire syllabus has been divided into 2 Parts; Paper I MAT (Mental Aptitude Test) and Paper II SAT (Scholastic Aptitude Test), that have been categorized under various parts. Theory given in each chapter captures salient points in a lucid manner. Ample MCQs, 5 Practice Exercises and Solved Papers (2021-2017) are provided to help you know the latest exam trend & pattern and to make you ready to face exam. TOC Solved Papers [2021-2017], PAPER I – MAT: Part I – Verbal Reasoning, Part II – Non Verbal Reasoning, PAPER II – SAT: Part I Physics, Part II Chemistry, Part III Biology, Part IV Mathematics, Part V History, Part VI Geography, Part VII Civics, Part VIII Economics, General Knowledge, Practice Sets (1-5)

Upstream

Though it incorporates much new material, this new edition preserves the general character of the book in providing a collection of solutions of the equations of diffusion and describing how these solutions may be obtained.

Upstream advanced C1

Information-rich topics and texts immerse adult learners in themes and issues from around the world so that English is more relevant.

Upstream Proficiency C2 Teachers Book

Throughout most of the twentieth century, electric propulsion was considered the technology of the future. Now, the future has arrived. This important new book explains the fundamentals of electric propulsion for spacecraft and describes in detail the physics and characteristics of the two major electric thrusters in use today, ion and Hall thrusters. The authors provide an introduction to plasma physics in order to allow readers to understand the models and derivations used in determining electric thruster performance. They then go on to present detailed explanations of: Thruster principles Ion thruster plasma generators and accelerator grids Hollow cathodes Hall thrusters Ion and Hall thruster plumes Flight ion and Hall thrusters Based largely on research and development performed at the Jet Propulsion Laboratory (JPL) and complemented with scores of tables, figures, homework problems, and references, *Fundamentals of Electric Propulsion: Ion and Hall Thrusters* is an indispensable textbook for advanced undergraduate and graduate students who are preparing to enter the aerospace industry. It also serves as an equally valuable resource for professional engineers already at work in the field.

Upstream

The linguistic integration of migrants affects every aspect of settling in a new country (employment, health, etc.). The aim of this collection of texts is to propose a number of specific measures member states can take to help adult migrants become acquainted with the language of the host country. The main focus is on organising language courses that meet migrants' real communication needs. It is not enough for authorities simply to consider the technical aspects of such courses, they should also design and conduct them in accordance with the fundamental values of the Council of Europe. A number of issues concerning the linguistic integration of adult migrants are presented here, beginning with the notion of linguistic integration itself. Family reunion, the nature of citizenship and the function of language tests, among others, are dealt with from the point of view of language and language use. Readers are invited to reflect on the type of language competences that need to be acquired as well as an appropriate use of the Common European Framework of Reference for Languages. The collection also sets out approaches and instruments designed to assist in implementing effective policies.

Upstream. Pre-intermediate. Student's book. Per le Scuole superiori

The second edition of Flight Stability and Automatic Control presents an organized introduction to the useful and relevant topics necessary for a flight stability and controls course. Not only is this text presented at the appropriate mathematical level, it also features standard terminology and nomenclature, along with expanded coverage of classical control theory, autopilot designs, and modern control theory. Through the use of extensive examples, problems, and historical notes, author Robert Nelson develops a concise and vital text for aircraft flight stability and control or flight dynamics courses.

Study Guide NTSE (MAT + SAT) for Class 10 2020-21

This best selling text prepares students to formulate and solve material and energy balances in chemical process systems and lays the foundation for subsequent courses in chemical engineering. The text provides a realistic, informative, and positive introduction to the practice of chemical engineering. The Integrated Media Edition update provides a stronger link between the text, media supplements, and new student workbook.

Study Guide NTSE (MAT + SAT) for Class 10 2021-22

This book considers global solutions to the restricted three-body problem from a geometric point of view. The authors seek dynamical channels in the phase space which wind around the planets and moons and naturally connect them. These low energy passageways could slash the amount of fuel spacecraft need to explore and develop our solar system. In order to effectively exploit these passageways, the book addresses the global transport. It goes beyond the traditional scope of libration point mission design, developing tools for the design of trajectories which take full advantage of natural three or more body dynamics, thereby saving precious fuel and gaining flexibility in mission planning. This is the key for the development of some NASA mission trajectories, such as low energy libration point orbit missions (e.g., the sample return Genesis Discovery Mission), low energy lunar missions and low energy tours of outer planet moon systems, such as a mission to tour and explore in detail the icy moons of Jupiter. This book can serve as a valuable resource for graduate students and advanced undergraduates in applied mathematics and aerospace engineering, as well as a manual for practitioners who work on libration point and deep space missions in industry and at government laboratories. The authors include a wealth of background material, but also bring the reader up to a portion of the research frontier.

Upstream advanced C1

"Touchstone is an innovative four-level series for adults and young adults, taking students from beginning to intermediate levels (CEFR: A1-B2). Based on research into the Cambridge English Corpus, Touchstone teaches English as it is really used. It presents natural language in authentic contexts, and explicitly develops conversation strategies so learners speak with fluency and confidence."--Page 4 of cover.

The Mathematics of Diffusion

Brighten up your classroom with English Plus Second Edition! With 80% new content, more video, new grammar animations, puzzles, and games, it's never been so easy to capture your students' attention. You'll find the same clear structure and high level of support for mixed-ability classes. With English Plus, every student can practise at the right level for them, and achieve success. You'll find graded Workbook activities, photocopiable worksheets and tests, plus fast finisher exercises to stretch stronger learners. The extra Options lessons allow you to match the course to your students' interests. The English Plus DVD brings real world language into the classroom. Four different varieties of video will motivate your students and provide them with models for expressing their own opinions and ideas. The English Plus Teacher's Resources offer a wealth of support so that you can

Navigate Coursebook

The techniques and standards for making discharge measurements at streamflow gaging stations are described in this publication. The vertical axis rotating-element current meter, principally the Price current meter, has been traditionally used for most measurements of discharge; however, advancements in acoustic technology have led to important developments in the use of acoustic Doppler current profilers, acoustic Doppler velocimeters, and other emerging technologies for the measurement of discharge. These new instruments, based on acoustic Doppler theory, have the advantage of no moving parts, and in the case of the acoustic Doppler current profiler, quickly and easily provide three-dimensional stream-velocity profile data through much of the vertical water column. For much of the discussion of acoustic Doppler current profiler moving-boat methodology, the reader is referred to U.S. Geological Survey Techniques and Methods 3-A22 (Mueller and Wagner, 2009).

Physics of Light and Optics (Black & White)

Challenge and inspire your teenage learners to think beyond language. Think is a fresh, vibrant and upbeat course designed to engage teenage learners and make them think. The Teacher's Book provides full lesson support for this level, including teacher's notes, audio scripts, answer keys, suggestions for extra activities and lesson options for mixed ability classes, plus tips on how to get the best out of Think's array of digital tools and components.

Fundamentals of Electric Propulsion

With its communicative syllabus, authentic business material, and expert tips from a leading management school, plus interactive multi-media, Business Result helps students learn the communication skills they need for work quickly and effectively.

New Round Up 3

When the First Edition of this book was written in 1951, the gas turbine was just becoming established as a powerplant for military aircraft. It took another decade before the gas turbine was introduced to civil aircraft, and this market developed so rapidly that the passenger liner was rendered obsolete. Other markets like naval propulsion, pipeline compression and electrical power applications grew steadily. In recent years the gas turbine, in combination with the steam turbine, has played an ever-increasing role in power generation. Despite the rapid advances in both output and efficiency, the basic theory of the gas turbine has remained unchanged. The layout of this new edition is broadly similar to the original, but greatly expanded and updated, comprising an outline of the basic theory, aerodynamic design of individual components, and the prediction of off-design performance. The addition of a chapter devoted to the mechanical design of gas turbines greatly enhances the scope of the book. Descriptions of engine developments and current markets make this book useful to both students and practising engineers.

Speech & Language Processing

Appropriate for Computer Networking or Introduction to Networking courses at both the undergraduate and graduate level in Computer Science, Electrical Engineering, CIS, MIS, and Business Departments. Tanenbaum takes a structured approach to explaining how networks work from the inside out. He starts with an explanation of the physical layer of networking, computer hardware and transmission systems; then works his way up to network applications. Tanenbaum's in-depth application coverage includes email; the domain name system; the World Wide Web (both client- and server-side); and multimedia (including voice over IP, Internet radio video on demand, video conferencing, and streaming media).

The linguistic integration of adult migrants: from one country to another, from one language to another

The books consist of a collection of six complete practice tests each for the Cambridge ESOL Certificate in Advanced English (CAE) examination. The tests have been designed to reflect the exam type tasks according to the most recent CAE specifications, which were introduced in December 1999. Therefore, they provide excellent preparation for the Cambridge CAE examination as well as any other examinations at the same level.

Flight Stability and Automatic Control

Elementary Principles of Chemical Processes, 3rd Edition 2005 Edition Integrated Media and Study Tools, with Student Workbook

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