Cambridge Technicals In Engineering Ocr

This book constitutes the joint refereed proceedings of the 8th International Workshop on Structural and Syntactic Pattern Recognition and the 3rd International Workshop on Statistical Techniques in Pattern Recognition, SSPR 2000 and SPR 2000, held in Alicante, Spain in August/September 2000. The 52 revised full papers presented together with five invited papers and 35 posters were carefully reviewed and selected from a total of 130 submissions. The book offers topical sections on hybrid and combined methods, document image analysis, grammar and language methods, structural matching, graph-based methods, shape analysis, clustering and density estimation, object recognition, general methodology, and feature extraction and selection.

Not sure what to do after your GCSEs? Are you overwhelmed by the options? Choosing Your A Levels is the only impartial guide which will clearly provide you with all your options post-16. Whether you have decided to study A Levels, an advanced diploma or any other further education qualification, this comprehensive guide will help you take the next steps in your education. If you want more advice on which subjects to take or whether you want to learn more about how they are structured, Choosing Your A Levels provides you with all the information you need to make tough choices and continue into further education. Containing the latest information on AS Levels this book will successfully guide you into further education. Choosing Your A Levels is easy to navigate if you want information about a particular qualification or as a detailed overview of all the major post-16 further education options. Inside you'll find: * Guidance on choosing the right qualification for you and indications of what the different qualifications can lead to * A directory of subjects by qualification for quick reference * Exam tips and preparation to ease the pressure * Advice to help you succeed when you get there Students all have different strengths, so Choosing Your A Levels explains the involvement and details of each qualification * Adion showing how each qualification suits different learning styles. This means you have all the information you need at your fingertips to make a personal and informed choice matching yourself with a qualification that works with your strengths, whether they are practical skills or personal attributes, for a successful post-16 education. For more help and advice on choosing other post-16 qualifications please see other titles in the series; Choosing Your Apprenticeship and Choosing Your Diploma.

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

This second volume of a specialty 2-volume works contains 34 papers pertaining to the natural behaviour of diverse geomaterials found in different parts of the world. Each paper is organized along the outline: location and distribution, engineering geology, composition, state and index properties, structure, engineering properties, quality / reliability of data with reference to methods of sampling and testing, and relation to engineering problems. This extensive body of collated knowledge is integrated by three overview papers covering engineering geology, mechanical behaviour and engineering implications. Topics: Overview papers; Marine clays; Eastuarine Clays; Lacustrine clays; Stiff clays; Sands and other cohesionless soils; Residual and other tropical Soils; Weak rock.

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Industrial engineering is a branch of engineering dealing with the optimization of complex processes or systems. It is concerned with the development, improvement, implementation and evaluation of production and service systems. Computational Intelligence Systems find a wide application area in industrial engineering: neural networks in forecasting, fuzzy sets in capital budgeting, ant colony optimization in scheduling, Simulated Annealing in optimization, etc. This book will include most of the application areas of industrial engineering through these computational intelligence systems. In the literature, there is no book including many real and practical applications of Computational Intelligence Systems from the point of view of Industrial Engineering. Every chapter will include explanatory and didactic applications. It is aimed that the book will be a main source for MSc and PhD students.

Following on from the first two volumes, published in 2002, volumes 3 and 4 of Characterisation and Engineering Properties of Natural Soils review laboratory testing, in-situ testing, and methods of characterising natural soil variability, illustrated by actual site data. Less well-documented soil types are highlighted and the various papers take i

This is an OCR edition without illustrations or index. It may have numerous typos or missing text. However, purchasers can download a free scanned copy of the original rare book from GeneralBooksClub.com. You can also preview excerpts from the book there. Purchasers are also entitled to a free trial membership in the General Books Club where they can select from more than a million books without charge. Original Published by: J. Munsell in 1870 in 276 pages; Subjects: Paper industry; Papermaking; Paper; Technology & Engineering / Manufacturing; Technology & Engineering / Material Science; Technology & Engineering / Technical & Manufacturing Industries & Trades;

Supporting Student Transitions 14-19 offers transition focused approaches to planning, teaching, learning and assessment designed to meet the needs of these unique learners. Drawing upon the latest research and theory, as well as the authors' extensive experience in the field, it examines in detail transitions in teaching and learning in this complex sector. Drawing out and critically analysing the key features of both pedagogy and andragogy, the book presents the best elements of each to provide all tutors and practitioners involved in the teaching of 14-19 learners with clear strategies for supporting this group. Practical advice backed by sound theory will provide readers with a clear understanding of the requirements and needs of learners in the school, college and university. Topics explored include: The role of the teacher in supporting student transitions Understanding transition focused approaches Emotional and social factors involved Recognising difficulties and helping students prepare Supporting Student Transitions 14-19 is a practical guide also offering a unique contribution to the discourse on this important sector of education, increasingly afforded the attention it deserves. It will be an essential resource for trainee teachers, students of PCET, lecturers and teachers wanting to build upon their understanding of this group of learners.

Cambridge National Level 1/2 Award/Certificate in Engineering Design

Making the right choice of A levels is crucial. Not only will it affect your enjoyment of studying over the next two years but it also has implications for your choice of career, further training or higher education options. The tenth edition of this student-friendly guide has been revised and updated and includes study and employment options after 16 as well as at degree level. It also contains information on apprenticeships, an increasingly popular alternative to full-time higher education. Each subject entry covers: What and how you

study Which A levels fit well together for competitive courses and careers Related higher education courses Career and training options after A levels and degree courses Alternative qualifications such as the International Baccalaureate.

A new series of bespoke, full-coverage resources developed for the 2015 GCSE Mathematics qualifications. Endorsed for the OCR J560 GCSE Mathematics Foundation tier specification for first teaching from 2015, this Student Book provides full coverage of the new GCSE Mathematics qualification. With a strong focus on developing problem-solving skills, reasoning and fluency, it helps students understand concepts, apply techniques, solve problems, reason, interpret and communicate mathematically. Written by experienced teachers, it also includes a solid breadth and depth of quality questions set in a variety of contexts. GCSE Mathematics Online - an enhanced digital resource incorporating progression tracking - is also available, as well as Problem-solving Books, Homework Books and a free Teacher's Resource.

Making the right choice of GCSE subjects is one of the first major decisions you will make about your future. Some subjects will be compulsory but you will have a choice of other options. Which GCSEs? is full of information to help you make the best choice for you. It also tells you about the other qualifications that you can take at Key Stage 4 as well as outlining other pathways such as apprenticeships. Each subject area covers: - What and how you study - Careers related to your GCSE choices - Your options after your GCSEs.

This Guide to OCR for Arabic Scripts is the first book of its kind, specifically devoted to this emerging field. Topics and features: contains contributions from the leading researchers in the field; with a Foreword by Professor Bente Maegaard of the University of Copenhagen; presents a detailed overview of Arabic character recognition technology, covering a range of different aspects of pre-processing and feature extraction; reviews a broad selection of varying approaches, including HMM-based methods and a recognition system based on multidimensional recurrent neural networks; examines the evaluation of Arabic script recognition systems, discussing data collection and annotation, benchmarking strategies, and handwriting recognition competitions; describes numerous applications of Arabic script recognition technology, from historical Arabic manuscripts to online Arabic recognition.

Help your learners develop their knowledge and prepare for assessment with this brand-new classroom resource - the only textbook tailored to the Cambridge National Level 1/2 Award and Certificate in Engineering Design. Covering all four units, this Student Book will: - develop learners' skills and confidence in preparation for assessment with detailed guidance on each learning outcome - contextualise knowledge with activities and case studies throughout - include practice questions to help with unit R105: Design briefs, design specifications and user requirements - provide expert advice to help students understand the format of the centre-assessed units and develop their portfolio of evidence.