Unit 36 Forensic Fire Investigation Edexcel

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written in a user friendly style with lively features to guide students through the course fully revised throughout and contains new chapters on understanding the public sector and teamwork in the public services completely re structured to cover the new grading criteria written by well known author nick cullingworth the most comprehensive resource available for this course

digital forensics and multimedia forensics are rapidly growing disciplines whereby electronic information is extracted and interpreted for use in a court of law these two fields are finding increasing importance in law enforcement and the investigation of cybercrime as the ubiquity of personal computing and the internet becomes ever more apparent digital forensics involves investigating computer systems and digital artefacts in general while multimedia forensics is a sub topic of digital forensics focusing on evidence extracted from both normal computer systems and special multimedia devices such as digital cameras this book focuses on the interface between digital forensics and multimedia forensics bringing two closely related fields of forensic expertise together to identify and understand the current state of the art in digital forensic investigation both fields are expertly attended to by contributions from researchers and forensic practitioners specializing in diverse topics such as forensic authentication forensic triage forensic photogrammetry biometric forensics multimedia device identification and image forgery detection among many others key features brings digital and multimedia

forensics together with contributions from academia law enforcement and the digital forensics industry for extensive coverage of all the major aspects of digital forensics of multimedia data and devices provides comprehensive and authoritative coverage of digital forensics of multimedia data and devices offers not only explanations of techniques but also real world and simulated case studies to illustrate how digital and multimedia forensics techniques work includes a companion website hosting continually updated supplementary materials ranging from extended and updated coverage of standards to best practice guides test datasets and more case studies

board specific teacher support packs provide advice and assistance on how to approach this new qualification this pack is appropriate for edexcel and includes information on how to prepare students for external assessment and how to assist them in preparing their portfolios

this book focuses on inquiry based teaching one of the five vital aspects of the instructional work of school librarians identified in the second edition of the ifla school library guidelines 2015 effective implementation of inquiry based teaching and learning requires a consistent instructional approach based on a model of inquiry that is built upon foundations of research and best practice the book explains the importance and significance of inquiry as a process of learning outlines the research underpinning this process of learning describes ways in which models of inquiry have been developed provides recommendations for implementing the use of such models and demonstrates how the other core instructional activities of school librarians such as literacy and reading promotion media and information literacy instruction technology integration and professional development of teachers can be integrated into inquiry inquiry based learning is part of learning to be a learner a lifelong pursuit involving finding and using information inquiry develops the skills and understandings that learners need in new information environments whether that be as students in post secondary institutions as producers and creators in workplaces or as citizens in communities through inquiry based teaching school librarians help students to build the essential skills and understandings needed for dealing with complex learning challenges including analysis critical thinking and problem solving in this book special attention is given to the development of students metacognitive abilities which are essential to their becoming life long and life wide learners

fire investigation is a practical guide on the basics of fire investigation with emphasis on ascertaining the cause of fire three items that constitute an acceptable cause of fire are highlighted the source of ignition the material first ignited and the defect act or omission which led to the source of ignition and the material first ignited creating a fire this book is comprised of 11 chapters and begins with a discussion on sources of ignition and materials first ignited paying particular attention to three temperature thresholds of combustible substances flash point temperature fire point temperature and self ignition temperature examples of sources of ignition are given including ashes soot gas and naked or open flame subsequent chapters deal with the reasons motives and methods of arson as well as timing devices that may be used by arsonists fire and non fire explosions variables that must be taken into account when trying to determine the rate of growth of a fire and fatality occurring in a fire the use of photographs and drawings in fire investigation is also considered along with collection of samples and physical evidence from a fire scene and gathering of information through interviews the final chapter presents abridged case histories of the six categories of arson this monograph is written for students fire officers and investigators police officers insurance investigators and loss adjusters

text only this product does not include a myfirekit access code card to purchase the text with a myfirekit access code card please use isbn 0 13 283000 0 organized into 17 chapters with completely updated color photographs and accompanied by supporting appendices this seventh edition written to the feshe curriculum instructs the reader on the skills needed in fire investigation delving into topics such as fire related deaths and injuries fire behavior and sources of ignition remaining true to professor paul l kirk s intent this best selling text presents a broad based look at the entire fire investigation process from evaluating a fire scene to writing reports and providing testimony an international database as offered by fire and explosion investigators scientists and engineers from all over the world is also reflected in the seventh edition including revised material on ignition fire dynamics and case examples while showcasing a multitude of latest research color photographs and artwork

fire investigator principles and practice to nfpa 921 and 1033 fifth edition is the premier resource for current and future fire investigators written by talented professional fire investigators from the international association of arson investigators iaai this text covers the entire span of the 2017 edition of nfpa 921 guide for fire and explosion investigations and addresses all of the job performance requirements in the 2014 edition of nfpa 1033 standard for professional qualifications for fire investigator this text is the benchmark for conducting safe and systematic investigations

your exam performance will improve after using this system exam prep fire investigator second edition is designed to thoroughly prepare you for a fire investigator certification promotion or training examination by including the same type of multiple choice questions you are likely to encounter on the actual exam to help improve examination scores this preparation guide follows performance training systems inc s systematic approach to examination preparation exam prep fire investigator second edition is written by fire personnel explicitly for fire personnel and all content has been verified with the latest reference materials and by a technical review committee benefits of the systematic approach to examination preparation include emphasizing areas of weakness providing immediate feedback learning material through context and association exam prep fire investigator second edition includes practice fire investigator examinations self scoring guide with page references for further study winning test taking tips and helpful hints coverage of nfpa 1033 standard for professional qualifications for fire investigator 2009 edition

please view original pages to see diagrams and images

fire investigation covers the concepts and theories used to determine a specfic fire has been deliberately or accidentally set the author clearly explains the concepts needed to gain insight into a fire scene investigation including the dynamics of the fire the necessary conditions for a fire to start and be maintained the different types of co

this resource is designed to encourage critical thinking and aid comprehension of the course material the student workbook also includes an answer key that is page referenced to the fire investigator principles and practice to nfpa 921 and 1033 text

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