

PEARSON STATISTICS FORMULA SHEET

PEARSON EDEXCEL LEVEL 3 ADVANCED SUBSIDIARY AND ADVANCED GCE IN STATISTICS STATISTICS FORMULA SHEET MATHWORDS ADVANCED HIGHER STATISTICS STATISTICAL FORMULAE AND TABLES FREQUENTLY USED STATISTICS FORMULAS AND TABLES COMPREHENSIVE STATISTICS FORMULA SHEET GCSE STATISTICS FORMULAE 9 1 EDEXCEL THE TELFORD LANGLEY GCSE STATISTICS FORMULAE SHEET STATS ACADEMY STATISTICS FORMULA SHEET AND TABLES 2020 AP CENTRAL STAT 100 FORMULA SHEET AND TABLES NORTHERN ILLINOIS UNIVERSITY STATISTICS FORMULA SHEET AQA FURTHER MATHS AS LEVEL WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM

PEARSON EDEXCEL LEVEL 3 ADVANCED SUBSIDIARY AND ADVANCED GCE IN STATISTICS STATISTICS FORMULA SHEET MATHWORDS ADVANCED HIGHER STATISTICS STATISTICAL FORMULAE AND TABLES FREQUENTLY USED STATISTICS FORMULAS AND TABLES COMPREHENSIVE STATISTICS FORMULA SHEET GCSE STATISTICS FORMULAE 9 1 EDEXCEL THE TELFORD LANGLEY GCSE STATISTICS FORMULAE SHEET STATS ACADEMY STATISTICS FORMULA SHEET AND TABLES 2020 AP CENTRAL STAT 100 FORMULA SHEET AND TABLES NORTHERN ILLINOIS UNIVERSITY STATISTICS FORMULA SHEET AQA FURTHER MATHS AS LEVEL WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM WWW.BING.COM

STATISTICAL FORMULAE AND TABLES FOR FIRST CERTIFICATION FROM JUNE 2018 FOR ADVANCED SUBSIDIARY GCE IN STATISTICS 8ST0 FIRST CERTIFICATION FROM JUNE 2019 F

A QUICK REFERENCE SHEET OF ESSENTIAL STATISTICS AND PROBABILITY FORMULAS COVERS DESCRIPTIVE STATISTICS PROBABILITY RULES DISTRIBUTIONS CONFIDENCE INTERVALS HYPOTHESIS TESTS AND REGRESSION EACH FORMULA

STATISTICAL FORMULAE AND TABLES FOR USE IN NATIONAL QUALIFICATION COURSES PUBLICATION DATE JANUARY 2026 PUBLISHED BY QUALIFICATIONS SCOTLAND THE OPTIMA BUILDING 58 ROBERTSON STREET GLASGOW G2

NOTE TEXTBOOKS AND FORMULA SHEETS INTERCHANGE R AND X FOR NUMBER OF SUCCESSES POISSON DISTRIBUTIONS R NUMBER OF SUCCESSES OR X M MEAN NUMBER OF SUCCESSES OVER A GIVEN INTERVAL

1 DESCRIPTIVE STATISTICS 1 1 MEASURES OF CENTRAL TENDENCY BASIC STATISTICS LET x_1, x_2, \dots, x_n BE A SAMPLE OF SIZE n MEAN

FORMULA IN GREEN BOXES ARE GIVEN IN EXAM REFER TO YOUR REVISION GUIDE FOR ALL TOPICS

GCSE STATISTICS FORMULAE SHEET ALL THE FORMULAE YOU NEED TO KNOW FOR GCSE STATISTICS 9 1 REVISION

TABLE ENTRY FOR Z IS THE PROBABILITY LYING BELOW Z C IS THE POINT T WITH PROBABILITY P LYING ABOVE IT AND PROBABILITY C LYING BETWEEN T AND T TABLE ENTRY FOR P IS THE POINT 2 WITH PROBABILITY P LYING ABOVE IT

TO APPROXIMATE ONE AND T TWO SIDED P VALUES COMPARE THE VALUE OF THE T STATISTIC WITH THE CRITICAL VALUES THAT MATCH THE P VALUES GIVEN AT THE BOTTOM OF THE TABLE

AQA FURTHER MATHS AS LEVEL STATISTICS FORMULA SHEET PROVIDED IN FORMULA BOOK NOT PROVIDED IN FORMULA BOOK THIS WORK BY PMT BIT LY PMT EDU CC EDUCATION IS LICENSED UNDER BIT LY PMT CC CC

GETTING THE BOOKS **PEARSON STATISTICS FORMULA SHEET** NOW IS NOT TYPE OF INSPIRING MEANS. YOU COULD NOT UNACCOMPANIED GOING GONE BOOKS AMASSING OR LIBRARY OR BORROWING FROM YOUR FRIENDS TO ADMISSION THEM. THIS IS AN AGREED EASY MEANS TO SPECIFICALLY ACQUIRE GUIDE BY ON-LINE. THIS ONLINE NOTICE **PEARSON STATISTICS FORMULA SHEET** CAN BE ONE OF THE OPTIONS TO ACCOMPANY YOU SUBSEQUENTLY HAVING NEW TIME. IT WILL NOT WASTE YOUR TIME. SAY YES ME, THE E-BOOK WILL NO QUESTION MAKE PUBLIC YOU OTHER BUSINESS TO READ. JUST INVEST TINY MATURE TO CONTACT THIS ON-LINE STATEMENT **PEARSON STATISTICS FORMULA SHEET** AS WITHOUT DIFFICULTY AS

EVALUATION THEM WHEREVER YOU ARE NOW.

1. HOW DO I KNOW WHICH eBook PLATFORM IS THE BEST FOR ME? FINDING THE BEST eBook PLATFORM DEPENDS ON YOUR READING PREFERENCES AND DEVICE COMPATIBILITY. RESEARCH DIFFERENT PLATFORMS, READ USER REVIEWS, AND EXPLORE THEIR FEATURES BEFORE MAKING A CHOICE.
2. ARE FREE eBooks OF GOOD QUALITY? YES, MANY REPUTABLE PLATFORMS OFFER HIGH-QUALITY FREE eBooks, INCLUDING CLASSICS AND PUBLIC DOMAIN WORKS. HOWEVER, MAKE SURE TO VERIFY THE SOURCE TO ENSURE THE eBook CREDIBILITY.
3. CAN I READ eBooks WITHOUT AN eREADER? ABSOLUTELY! MOST eBook PLATFORMS OFFER WEBBASED READERS OR MOBILE APPS THAT ALLOW YOU TO READ eBooks ON YOUR COMPUTER, TABLET, OR SMARTPHONE.
4. HOW DO I AVOID DIGITAL EYE STRAIN WHILE READING eBooks? TO PREVENT DIGITAL EYE STRAIN, TAKE REGULAR BREAKS, ADJUST THE FONT SIZE AND BACKGROUND COLOR, AND ENSURE PROPER LIGHTING WHILE READING eBooks.
5. WHAT THE ADVANTAGE OF INTERACTIVE eBooks? INTERACTIVE eBooks INCORPORATE MULTIMEDIA ELEMENTS, QUIZZES, AND ACTIVITIES, ENHANCING THE READER ENGAGEMENT AND PROVIDING A MORE IMMERSIVE LEARNING EXPERIENCE.
6. PEARSON STATISTICS FORMULA SHEET IS ONE OF THE BEST BOOK IN OUR LIBRARY FOR FREE TRIAL. WE PROVIDE COPY OF PEARSON STATISTICS FORMULA SHEET IN DIGITAL FORMAT, SO THE RESOURCES THAT YOU FIND ARE RELIABLE. THERE ARE ALSO MANY EBOOKS OF RELATED WITH PEARSON STATISTICS FORMULA SHEET.
7. WHERE TO DOWNLOAD PEARSON STATISTICS

FORMULA SHEET ONLINE FOR FREE? ARE YOU LOOKING FOR PEARSON STATISTICS FORMULA SHEET PDF? THIS IS DEFINITELY GOING TO SAVE YOU TIME AND CASH IN SOMETHING YOU SHOULD THINK ABOUT. IF YOU TRYING TO FIND THEN SEARCH AROUND FOR ONLINE. WITHOUT A DOUBT THERE ARE NUMEROUS THESE AVAILABLE AND MANY OF THEM HAVE THE FREEDOM. HOWEVER WITHOUT DOUBT YOU RECEIVE WHATEVER YOU PURCHASE. AN ALTERNATE WAY TO GET IDEAS IS ALWAYS TO CHECK ANOTHER PEARSON STATISTICS FORMULA SHEET. THIS METHOD FOR SEE EXACTLY WHAT MAY BE INCLUDED AND ADOPT THESE IDEAS TO YOUR BOOK. THIS SITE WILL ALMOST CERTAINLY HELP YOU SAVE TIME AND EFFORT, MONEY AND STRESS. IF YOU ARE LOOKING FOR FREE BOOKS THEN YOU REALLY SHOULD CONSIDER FINDING TO ASSIST YOU TRY THIS.

8. SEVERAL OF PEARSON STATISTICS FORMULA SHEET ARE FOR SALE TO FREE WHILE SOME ARE PAYABLE. IF YOU AREN'T SURE IF THE BOOKS YOU WOULD LIKE TO DOWNLOAD WORKS WITH FOR USAGE ALONG WITH YOUR COMPUTER, IT IS POSSIBLE TO DOWNLOAD FREE TRIALS. THE FREE GUIDES MAKE IT EASY FOR SOMEONE TO FREE ACCESS ONLINE LIBRARY FOR DOWNLOAD BOOKS TO YOUR DEVICE. YOU CAN GET FREE DOWNLOAD ON FREE TRIAL FOR LOTS OF BOOKS CATEGORIES.
9. OUR LIBRARY IS THE BIGGEST OF THESE THAT HAVE LITERALLY HUNDREDS OF THOUSANDS OF DIFFERENT PRODUCTS CATEGORIES REPRESENTED. YOU WILL ALSO SEE THAT THERE ARE SPECIFIC SITES CATERED TO DIFFERENT PRODUCT TYPES OR CATEGORIES, BRANDS OR NICHES RELATED WITH PEARSON STATISTICS FORMULA SHEET. SO DEPENDING ON WHAT EXACTLY YOU ARE SEARCHING, YOU WILL BE

ABLE TO CHOOSE E BOOKS TO SUIT YOUR OWN NEED.

10. NEED TO ACCESS COMPLETELY FOR CAMPBELL BIOLOGY SEVENTH EDITION BOOK? ACCESS EBOOK WITHOUT ANY DIGGING. AND BY HAVING ACCESS TO OUR EBOOK ONLINE OR BY STORING IT ON YOUR COMPUTER, YOU HAVE CONVENIENT ANSWERS WITH PEARSON STATISTICS FORMULA SHEET TO GET STARTED FINDING PEARSON STATISTICS FORMULA SHEET, YOU ARE RIGHT TO FIND OUR WEBSITE WHICH HAS A COMPREHENSIVE COLLECTION OF BOOKS ONLINE. OUR LIBRARY IS THE BIGGEST OF THESE THAT HAVE LITERALLY HUNDREDS OF THOUSANDS OF DIFFERENT PRODUCTS REPRESENTED. YOU WILL ALSO SEE THAT THERE ARE SPECIFIC SITES CATERED TO DIFFERENT CATEGORIES OR NICHES RELATED WITH PEARSON STATISTICS FORMULA SHEET SO DEPENDING ON WHAT EXACTLY YOU ARE SEARCHING, YOU WILL BE ABLE TO CHOOSE EBOOK TO SUIT YOUR OWN NEED.
11. THANK YOU FOR READING PEARSON STATISTICS FORMULA SHEET. MAYBE YOU HAVE KNOWLEDGE THAT, PEOPLE HAVE SEARCH NUMEROUS TIMES FOR THEIR FAVORITE READINGS LIKE THIS PEARSON STATISTICS FORMULA SHEET, BUT END UP IN HARMFUL DOWNLOADS.
12. RATHER THAN READING A GOOD BOOK WITH A CUP OF COFFEE IN THE AFTERNOON, INSTEAD THEY JUGGLED WITH SOME HARMFUL BUGS INSIDE THEIR LAPTOP.
13. PEARSON STATISTICS FORMULA SHEET IS AVAILABLE IN OUR BOOK COLLECTION AN ONLINE ACCESS TO IT IS SET AS PUBLIC SO YOU CAN DOWNLOAD IT INSTANTLY. OUR DIGITAL LIBRARY SPANS IN MULTIPLE LOCATIONS, ALLOWING YOU TO GET THE MOST LESS LATENCY TIME TO DOWNLOAD

ANY OF OUR BOOKS LIKE THIS ONE. MERELY SAID, PEARSON STATISTICS FORMULA SHEET IS UNIVERSALLY COMPATIBLE WITH ANY DEVICES TO READ.

HELLO TO NEWS.BETZONE.CO.UK, YOUR DESTINATION FOR A VAST ASSORTMENT OF PEARSON STATISTICS FORMULA SHEET PDF EBOOKS. WE ARE ENTHUSIASTIC ABOUT MAKING THE WORLD OF LITERATURE REACHABLE TO EVERYONE, AND OUR PLATFORM IS DESIGNED TO PROVIDE YOU WITH A SEAMLESS AND PLEASANT FOR TITLE EBOOK OBTAINING EXPERIENCE.

AT NEWS.BETZONE.CO.UK, OUR OBJECTIVE IS SIMPLE: TO DEMOCRATIZE KNOWLEDGE AND CULTIVATE A LOVE FOR READING PEARSON STATISTICS FORMULA SHEET. WE ARE OF THE OPINION THAT EVERYONE SHOULD HAVE ACCESS TO SYSTEMS ANALYSIS AND PLANNING ELIAS M AWAD EBOOKS, COVERING VARIOUS GENRES, TOPICS, AND INTERESTS. BY OFFERING PEARSON STATISTICS FORMULA SHEET AND A DIVERSE COLLECTION OF PDF EBOOKS, WE AIM TO STRENGTHEN READERS TO EXPLORE, DISCOVER, AND IMMERSE THEMSELVES IN THE WORLD OF WRITTEN WORKS.

IN THE WIDE REALM OF DIGITAL LITERATURE, UNCOVERING SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD REFUGE THAT DELIVERS ON BOTH CONTENT AND USER EXPERIENCE IS SIMILAR TO

STUMBLING UPON A SECRET TREASURE. STEP INTO NEWS.BETZONE.CO.UK, PEARSON STATISTICS FORMULA SHEET PDF eBook DOWNLOAD HAVEN THAT INVITES READERS INTO A REALM OF LITERARY MARVELS. IN THIS PEARSON STATISTICS FORMULA SHEET ASSESSMENT, WE WILL EXPLORE THE INTRICACIES OF THE PLATFORM, EXAMINING ITS FEATURES, CONTENT VARIETY, USER INTERFACE, AND THE OVERALL READING EXPERIENCE IT PLEDGES.

AT THE CENTER OF NEWS.BETZONE.CO.UK LIES A WIDE-RANGING COLLECTION THAT SPANS GENRES, SERVING THE VORACIOUS APPETITE OF EVERY READER. FROM CLASSIC NOVELS THAT HAVE ENDURED THE TEST OF TIME TO CONTEMPORARY PAGE-TURNERS, THE LIBRARY THROBS WITH VITALITY. THE SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD OF CONTENT IS APPARENT, PRESENTING A DYNAMIC ARRAY OF PDF eBooks THAT OSCILLATE BETWEEN PROFOUND NARRATIVES AND QUICK LITERARY GETAWAYS.

ONE OF THE DISTINCTIVE FEATURES OF SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD IS THE ARRANGEMENT OF GENRES, PRODUCING A SYMPHONY OF READING CHOICES. AS YOU TRAVEL THROUGH THE SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD, YOU WILL DISCOVER THE COMPLEXITY OF OPTIONS — FROM THE SYSTEMATIZED COMPLEXITY OF SCIENCE FICTION TO THE RHYTHMIC SIMPLICITY OF ROMANCE. THIS

ASSORTMENT ENSURES THAT EVERY READER, REGARDLESS OF THEIR LITERARY TASTE, FINDS PEARSON STATISTICS FORMULA SHEET WITHIN THE DIGITAL SHELVES.

IN THE DOMAIN OF DIGITAL LITERATURE, BURSTINESS IS NOT JUST ABOUT VARIETY BUT ALSO THE JOY OF DISCOVERY. PEARSON STATISTICS FORMULA SHEET EXCELS IN THIS INTERPLAY OF DISCOVERIES. REGULAR UPDATES ENSURE THAT THE CONTENT LANDSCAPE IS EVER-CHANGING, INTRODUCING READERS TO NEW AUTHORS, GENRES, AND PERSPECTIVES. THE UNEXPECTED FLOW OF LITERARY TREASURES MIRRORS THE BURSTINESS THAT DEFINES HUMAN EXPRESSION.

AN AESTHETICALLY PLEASING AND USER-FRIENDLY INTERFACE SERVES AS THE CANVAS UPON WHICH PEARSON STATISTICS FORMULA SHEET PORTRAYS ITS LITERARY MASTERPIECE. THE WEBSITE'S DESIGN IS A SHOWCASE OF THE THOUGHTFUL CURATION OF CONTENT, OFFERING AN EXPERIENCE THAT IS BOTH VISUALLY ATTRACTIVE AND FUNCTIONALLY INTUITIVE. THE BURSTS OF COLOR AND IMAGES HARMONIZE WITH THE INTRICACY OF LITERARY CHOICES, FORMING A SEAMLESS JOURNEY FOR EVERY VISITOR.

THE DOWNLOAD PROCESS ON PEARSON STATISTICS FORMULA SHEET IS A CONCERT OF EFFICIENCY. THE USER IS WELCOMED WITH A

STRAIGHTFORWARD PATHWAY TO THEIR CHOSEN eBook. THE BURSTINESS IN THE DOWNLOAD SPEED ENSURES THAT THE LITERARY DELIGHT IS ALMOST INSTANTANEOUS. THIS SMOOTH PROCESS MATCHES WITH THE HUMAN DESIRE FOR SWIFT AND UNCOMPLICATED ACCESS TO THE TREASURES HELD WITHIN THE DIGITAL LIBRARY.

A CRUCIAL ASPECT THAT DISTINGUISHES NEWS.BETZONE.CO.UK IS ITS COMMITMENT TO RESPONSIBLE eBook DISTRIBUTION. THE PLATFORM VIGOROUSLY ADHERES TO COPYRIGHT LAWS, GUARANTEEING THAT EVERY DOWNLOAD SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD IS A LEGAL AND ETHICAL EFFORT. THIS COMMITMENT CONTRIBUTES A LAYER OF ETHICAL INTRICACY, RESONATING WITH THE CONSCIENTIOUS READER WHO APPRECIATES THE INTEGRITY OF LITERARY CREATION.

NEWS.BETZONE.CO.UK DOESN'T JUST OFFER SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD; IT CULTIVATES A COMMUNITY OF READERS. THE PLATFORM OFFERS SPACE FOR USERS TO CONNECT, SHARE THEIR LITERARY EXPLORATIONS, AND RECOMMEND HIDDEN GEMS. THIS INTERACTIVITY INFUSES A BURST OF SOCIAL CONNECTION TO THE READING EXPERIENCE, ELEVATING IT BEYOND A SOLITARY PURSUIT.

IN THE GRAND TAPESTRY OF DIGITAL LITERATURE, NEWS.BETZONE.CO.UK STANDS AS A ENERGETIC THREAD THAT INCORPORATES COMPLEXITY AND BURSTINESS INTO THE READING JOURNEY. FROM THE NUANCED DANCE OF GENRES TO THE RAPID STROKES OF THE DOWNLOAD PROCESS, EVERY ASPECT REFLECTS WITH THE DYNAMIC NATURE OF HUMAN EXPRESSION. IT'S NOT JUST A SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD eBook DOWNLOAD WEBSITE; IT'S A DIGITAL OASIS WHERE LITERATURE THRIVES, AND READERS BEGIN ON A JOURNEY FILLED WITH ENJOYABLE SURPRISES.

WE TAKE PRIDE IN CHOOSING AN EXTENSIVE LIBRARY OF SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD PDF eBooks, THOUGHTFULLY CHOSEN TO SATISFY TO A BROAD AUDIENCE. WHETHER YOU'RE A FAN OF CLASSIC LITERATURE, CONTEMPORARY FICTION, OR SPECIALIZED NON-FICTION, YOU'LL DISCOVER SOMETHING THAT ENGAGES YOUR IMAGINATION.

NAVIGATING OUR WEBSITE IS A CINCH. WE'VE DESIGNED THE USER INTERFACE WITH YOU IN MIND, MAKING SURE THAT YOU CAN EASILY DISCOVER SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD AND DOWNLOAD SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD eBooks.

OUR EXPLORATION AND CATEGORIZATION FEATURES ARE EASY TO USE, MAKING IT STRAIGHTFORWARD FOR YOU TO LOCATE SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD.

NEWS.BETZONE.CO.UK IS DEVOTED TO UPHOLDING LEGAL AND ETHICAL STANDARDS IN THE WORLD OF DIGITAL LITERATURE. WE EMPHASIZE THE DISTRIBUTION OF PEARSON STATISTICS FORMULA SHEET THAT ARE EITHER IN THE PUBLIC DOMAIN, LICENSED FOR FREE DISTRIBUTION, OR PROVIDED BY AUTHORS AND PUBLISHERS WITH THE RIGHT TO SHARE THEIR WORK. WE ACTIVELY DISSUADE THE DISTRIBUTION OF COPYRIGHTED MATERIAL WITHOUT PROPER AUTHORIZATION.

QUALITY: EACH eBook IN OUR ASSORTMENT IS METICULOUSLY VETTED TO ENSURE A HIGH STANDARD OF QUALITY. WE AIM FOR YOUR READING EXPERIENCE TO BE SATISFYING AND FREE OF FORMATTING ISSUES.

VARIETY: WE CONSISTENTLY UPDATE OUR LIBRARY TO BRING YOU THE LATEST RELEASES, TIMELESS CLASSICS, AND HIDDEN GEMS ACROSS CATEGORIES. THERE'S ALWAYS SOMETHING NEW TO DISCOVER.

COMMUNITY ENGAGEMENT: WE CHERISH OUR

COMMUNITY OF READERS. INTERACT WITH US ON SOCIAL MEDIA, SHARE YOUR FAVORITE READS, AND PARTICIPATE IN A GROWING COMMUNITY COMMITTED ABOUT LITERATURE.

WHETHER OR NOT YOU'RE A DEDICATED READER, A LEARNER IN SEARCH OF STUDY MATERIALS, OR SOMEONE VENTURING INTO THE WORLD OF eBooks FOR THE VERY FIRST TIME, NEWS.BETZONE.CO.UK IS HERE TO CATER TO SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD. JOIN US ON THIS READING ADVENTURE, AND ALLOW THE PAGES OF OUR eBooks TO TAKE YOU TO NEW REALMS, CONCEPTS, AND EXPERIENCES.

WE UNDERSTAND THE THRILL OF UNCOVERING SOMETHING NEW. THAT'S WHY WE CONSISTENTLY UPDATE OUR LIBRARY, ENSURING YOU HAVE ACCESS TO SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD, RENOWNED AUTHORS, AND HIDDEN LITERARY TREASURES. WITH EACH VISIT, ANTICIPATE DIFFERENT POSSIBILITIES FOR YOUR READING PEARSON STATISTICS FORMULA SHEET.

THANKS FOR OPTING FOR NEWS.BETZONE.CO.UK AS YOUR RELIABLE SOURCE FOR PDF eBook DOWNLOADS. DELIGHTED READING OF SYSTEMS ANALYSIS AND DESIGN ELIAS M AWAD

