



GCE

Chemistry A

H032/01: Breadth in chemistry

Advanced Subsidiary GCE

Mark Scheme for Autumn 2021

Ocr Chemistry F32june 2014

Michael Seilmaier



Ocr Chemistry F32june 2014:

Unveiling the Power of Verbal Artistry: An Psychological Sojourn through **Ocr Chemistry F32june 2014**

In a global inundated with monitors and the cacophony of instant interaction, the profound power and emotional resonance of verbal art usually diminish into obscurity, eclipsed by the regular barrage of sound and distractions. Yet, nestled within the musical pages of **Ocr Chemistry F32june 2014**, a interesting work of literary beauty that pulses with organic thoughts, lies an unique trip waiting to be embarked upon. Composed with a virtuoso wordsmith, that enchanting opus instructions visitors on a psychological odyssey, softly revealing the latent possible and profound affect stuck within the complex web of language. Within the heart-wrenching expanse with this evocative analysis, we can embark upon an introspective exploration of the book is key subjects, dissect their captivating publishing fashion, and immerse ourselves in the indelible impression it leaves upon the depths of readers souls.

https://crm.avenza.com/results/scholarship/HomePages/panasonic_robot_manual.pdf

Table of Contents Ocr Chemistry F32june 2014

1. Understanding the eBook Ocr Chemistry F32june 2014
 - The Rise of Digital Reading Ocr Chemistry F32june 2014
 - Advantages of eBooks Over Traditional Books
2. Identifying Ocr Chemistry F32june 2014
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Ocr Chemistry F32june 2014
 - User-Friendly Interface
4. Exploring eBook Recommendations from Ocr Chemistry F32june 2014
 - Personalized Recommendations

- Ocr Chemistry F32june 2014 User Reviews and Ratings
- Ocr Chemistry F32june 2014 and Bestseller Lists
- 5. Accessing Ocr Chemistry F32june 2014 Free and Paid eBooks
 - Ocr Chemistry F32june 2014 Public Domain eBooks
 - Ocr Chemistry F32june 2014 eBook Subscription Services
 - Ocr Chemistry F32june 2014 Budget-Friendly Options
- 6. Navigating Ocr Chemistry F32june 2014 eBook Formats
 - ePub, PDF, MOBI, and More
 - Ocr Chemistry F32june 2014 Compatibility with Devices
 - Ocr Chemistry F32june 2014 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Ocr Chemistry F32june 2014
 - Highlighting and Note-Taking Ocr Chemistry F32june 2014
 - Interactive Elements Ocr Chemistry F32june 2014
- 8. Staying Engaged with Ocr Chemistry F32june 2014
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Ocr Chemistry F32june 2014
- 9. Balancing eBooks and Physical Books Ocr Chemistry F32june 2014
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Ocr Chemistry F32june 2014
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Ocr Chemistry F32june 2014
 - Setting Reading Goals Ocr Chemistry F32june 2014
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Ocr Chemistry F32june 2014
 - Fact-Checking eBook Content of Ocr Chemistry F32june 2014

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Ocr Chemistry F32june 2014 Introduction

Ocr Chemistry F32june 2014 Offers over 60,000 free eBooks, including many classics that are in the public domain. Open Library: Provides access to over 1 million free eBooks, including classic literature and contemporary works. Ocr Chemistry F32june 2014 Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Ocr Chemistry F32june 2014 : This website hosts a vast collection of scientific articles, books, and textbooks. While it operates in a legal gray area due to copyright issues, its a popular resource for finding various publications. Internet Archive for Ocr Chemistry F32june 2014 : Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Ocr Chemistry F32june 2014 Offers a diverse range of free eBooks across various genres. Ocr Chemistry F32june 2014 Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Ocr Chemistry F32june 2014 Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Ocr Chemistry F32june 2014, especially related to Ocr Chemistry F32june 2014, might be challenging as theyre often artistic creations rather than practical blueprints. However, you can explore the following steps to search for or create your own Online Searches: Look for websites, forums, or blogs dedicated to Ocr Chemistry F32june 2014, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Ocr Chemistry F32june 2014 books or magazines might include. Look for these in online stores or libraries. Remember that while Ocr Chemistry F32june 2014, sharing copyrighted material without permission is not legal. Always ensure youre either creating your own or obtaining them from legitimate sources that allow sharing and downloading. Library Check if your local library offers eBook lending services. Many libraries have digital catalogs where you can borrow Ocr Chemistry F32june 2014 eBooks for free, including popular titles. Online Retailers: Websites like Amazon, Google Books, or Apple Books often sell eBooks. Sometimes, authors or publishers offer promotions or free periods for certain books. Authors Website Occasionally, authors provide excerpts or short stories for free on their websites. While this might not be the Ocr Chemistry

F32june 2014 full book , it can give you a taste of the authors writing style.Subscription Services Platforms like Kindle Unlimited or Scribd offer subscription-based access to a wide range of Ocr Chemistry F32june 2014 eBooks, including some popular titles.

FAQs About Ocr Chemistry F32june 2014 Books

1. Where can I buy Ocr Chemistry F32june 2014 books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Ocr Chemistry F32june 2014 book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Ocr Chemistry F32june 2014 books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
7. What are Ocr Chemistry F32june 2014 audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.

9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
10. Can I read Ocr Chemistry F32june 2014 books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Ocr Chemistry F32june 2014 :

panasonic robot manual

panasonic tv repair colorado springs

panasonic pnle1010 user manual

panasonic pt cw240 cw241 service manual and repair guide

panasonic dp 190 fax manual

panasonic sc xh105 service manual and repair guide

panasonic hybrid phone system manual kx t7030

panasonic satellite tv system user manual

panasonic kx tc1851 manual

panasonic hpx500 manual

panasonic styling iron user manual

panasonic microwave installation instructions

panasonic lumix fz45 manual

panasonic gf5 instructions

panasonic sa pt673 manual

Ocr Chemistry F32june 2014 :

hausa novel media hausa novel by arewa movies tv12 - Jul 03 2022

web hausa novels media hausa novel batsa romantic hausa novels complete yan madigo hausa novel yan lesbian hausa novel arewa movies tv

hausanovels stories wattpad - Nov 07 2022

web story of love dive in the story and find out how two opposite people are joined in a forced arrange marriage and how

they found love

rabona ce complete hausa novel love story gidan novels - May 13 2023

web mar 18 2018 majnoon hausa love novels matashin saurayine mai kimanin shekaru 30 gashin kansa duk ya kudun dune launin fatarsa ya chanza saboda dattin dake jikinsa rigarsa duk ta yage farine amma saboda tsabar datti har farin yafara dishewa fatar jikinsa dukta jeme saboda zafin rana hakama tufafin dake jikinsa amma hakan bai hana kyan

hausa novels deejahabdul wattpad - Aug 16 2023

web it is a story about two sisters that are like the two sides of a coin totally different yet part of each other it is a story about loneliness sadness discrimination hypocrisy self pity and of course love get your handkerchiefs ready because this story will bring you tears enjoy

romantichausanovels stories wattpad - Mar 11 2023

web complete romantic hausa novels doc by nigeriansite 2 1k 44 2 download new romantic hausa novels complete such as gidan uncle mijin kwaila yarima suhail da sauransu romantichausanovels sabbinhausanovels hausanovels 4 more 3

list of hausa novels zamgist - Dec 28 2021

web feb 19 2023 lalata hausa novels latest hausa novels 2022 love hausa novels littafi hausa novels majnoon complete hausa novels maman shakur hausa novels blog matar makaho complete hausa novels mijin kwaila hausa novels musha dariya hausa novels majnoon complete hausa novels part 2 maman shakur hausa novels macijine shi

hausa stories wattpad - Jun 02 2022

web read the most popular hausa stories on wattpad the world s largest social storytelling platform

hausanovel stories wattpad - Apr 12 2023

web hausanovel stories refine by tag hausanovel arewa hausa nigeria love muslimlovestory betrayal romance soyayya lovestory marriage muslim hausafulani novel arrangedmarriage family islam pain hausalovestory wattpadbanter

african literature hausa oral tradition epic poetry britannica - Jan 29 2022

web african literature hausa oral tradition epic poetry the first novels written in hausa were the result of a competition launched in 1933 by the translation bureau in northern nigeria one year later the bureau published muhammadu bello s gandoki in which its hero gandoki struggles against the british colonial regime

hausa novel - Jul 15 2023

web jul 24 2023 category littafan hausa novels sahur keke hausa novel complete sanadin caca hausa novel complete sandace hausa novel complete kaunar uwa home mega menu features love cycle hausa novel 2 love her softly complete 14 ma aikata complete 2 mabruka complete doc 1 madadi

hausa literature wikipedia - Oct 06 2022

web hausa literature is any work written in the hausa language it includes poetry prose songwriting music and drama hausa literature includes folk literature much of which has been transcribed and provides a means of recording preserving and transmitting knowledge especially in regard to social psychological spiritual or political roles

[list of free romantic hausa novels complete okvix](#) - Jun 14 2023

web aug 24 2023 hausa novels are popular in the northern part of nigeria the hausa tribe loves reading novels written in their language on this page you will discover the complete list of hausa novels romantic hausa novels and the best romance hausa novels littattafan soyayya means love books in hausa

abban sojoji hausa novel document by hafsai bature - Sep 05 2022

web abban sojoji is a heartwarming hausa love novel that takes you on a journey of passion sacrifice and true love this novel tells the story of two young lovers who must overcome cultural differences family expectations and personal struggles to be together

hausa love stories novels ebonystory - Feb 10 2023

web our stories are written inform of story book novels short story and poem you can subscribe for our story update via facebook whatsapp twitter instagram if you have any complain email info ebonystory com or call 2349021037057

100 best romance hot romantic hausa novels free - May 01 2022

web these novels are predominantly written in hausa language which is the primary language spoken in northern nigeria hausa novels cover a wide range of themes from love and romance to politics and religion in this blog post we

[gimbiya amira complete hausa love novel gidan novels hausa novels](#) - Mar 31 2022

web feb 20 2019 majnoon hausa love novels matashin saurayine mai kimanin shekaru 30 gashin kansa duk ya kudun dune launin fatarsa ya chanza saboda dattin dake jikinsa rigarsa duk ta yage farine amma saboda tsabar datti har farin yafara dishewa fatar jikinsa dukta jeme saboda zafin rana hakama tufafin dake jikinsa amma hakan bai hana kyan

[romantic hausa novels novels hausa english and others](#) - Dec 08 2022

web download cutar kai hausa novel complete by aysha bagudo download a makabarta aka haifeni complete hausa novel download nida ya ahmad complete by asmaluv

hausa novels aishaa nana wattpad - Jan 09 2023

web it s a story of love adventure family norms and cultural society and all its restrictions rules limitations and expectations it s a story of a girl willing to risk it all for the sake of love this story is in hausa language but please excuse my dialect i m from sokoto and i know not many understand how we spea

[hausa novels](#) - Feb 27 2022

web may 4 2016 ali nuhu gwarzon matasan kannywood jarumin fina finan hausa ali nuhu fitaccen jigo ne a masana antar

kannywood wanda ke nufin masana antar fina finan hausa da ke arewacin najeriya tare da

list of hausa novels and websites to download for free 2023 - Aug 04 2022

web feb 10 2023 first of all hausa novels are one of the popular categories of books written in the hausa language started in nigeria by hausa people hausa writers hausa novels are written for the purposes of entertainment information education and

handwriting analysis graphology lane community college lane - Jun 06 2023

web handwriting analysis graphology lane community college media lanecce.edu history of graphology chinese independently also made the observation until 1622 by an italian physician camillo baldi in 1800 s was first given a name and jean cr pieux jamin community lean college lane community college

learn handwriting analysis books courses articles on graphology - Jul 27 2022

web welcome to the handwriting analysts group handwriting analysis is a fascinating field and we are happy to have you browse through our web page we have information for you including actual analyses and writing samples of prominent people you can find reading material and schools to attend in order to become a graphologist or handwriting analyst

writing lane community college - Feb 02 2023

web read and analyze college level texts employ a flexible writing process compose college level texts using various technologies and formats use the lane library as well as other research tools effectively reference the ideas and

graphology handwriting analysis graphology courses - Jun 25 2022

web graphology is the study of character from hand writing it takes us into the underworld of the sub conscious to the secrets we keep even from ourselves it works because handwriting is body language on the page it reflects all the character traits of the writer their dreams foibles intelligence everything that makes them who they are

handwriting analysis complete guide to graphology students - Nov 30 2022

web handwriting analysis is a fascinating field you can find list of handwriting analysis schools to attend for becoming a certified handwriting analyst handwriting analysis books research papers on graphology please browse through our website dedicated to handwriting analysis enjoy yourself learning about a discipline for understanding

how to study your handwriting and what it means hocking college - Jan 01 2023

web this is referred to as graphology or the study of personality through one s handwriting some forensic investigators actually use a similar form of graphology known as document analysis to compare the handwriting of suspects and ransom notes investigators might also use document analysis to gather evidence as it relates to a person s state of

handwriting analysis graphology lane community college - Apr 04 2023

web handwriting analysis graphology lane community college history of graphology chinese independently also made the observation until 1622 by an italian physician camillo baldi in 1800 s was first given a name and jean cr pieux jamin

graphology class april 2019hwa learn handwriting analysis - Aug 28 2022

web apr 19 2019 17 6k subscribers 3 4k views 4 years ago handwriting university community class how to analyze handwriting and learn graphology correctly hosted by bart baggett

handwritinganalysisgraphologylanecommunitycollege - Mar 23 2022

web handwritinganalysisgraphologylanecommunitycollege 1 handwritinganalysisgraphologylanecommunitycollege handwritinganalysisgraphologylanecommunitycollege

handwriting analysis graphology lane community college - Oct 10 2023

web we will divide the individual letters into three zones to better understand how the writer makes specific use of their mind their emotions and the physical elements in their environment the size of the letters can reveal how we may fit in with their environment large middle zone

how to analyze handwriting graphology 11 beginner tips wikihow - Sep 28 2022

web sep 19 2023 drawing text and lettering handwriting handwriting analysis what your handwriting says about you download article co authored by jennifer mueller jd last updated september 19 2023 fact checked what can your handwriting tell you about your personality and outlook on life graphologists would argue it can tell you quite a bit

handwriting analysis graphology lane community college - Feb 19 2022

web cases you likewise realize not discover the publication handwriting analysis graphology lane community college that you are looking for it will completely squander the time however below in imitation of you visit this web page it will be fittingly enormously easy to acquire as skillfully as download guide

graphology based handwritten character analysis for human - Mar 03 2023

web feb 24 2020 graphology based handwriting analysis to identify human behavior irrespective of applications is interesting unlike existing methods that use characters words and sentences for behavioural anal

handwriting analysis graphology lane community college - May 05 2023

web handwriting analysis graphology lane community college handwriting analysis is very helpful for parents who want to understand and monitor their children through development criminal cases what kind of person committed the

what your handwriting says about you analysis and graphology - May 25 2022

web jan 16 2020 many consider graphology a pseudoscience but the practice often imparts findings on courtrooms hiring offices and police stations every letter symbolizes something to do with what s going on

handwriting analysis graphology lane community college - Aug 08 2023

web handwriting analysis graphology lane community college history of graphology chinese independently also made the observation until 1622 by a italian physician camillo baldi

automated handwriting analysis system using principles of graphology - Oct 30 2022

web graphology is an ancient science which uses different attributes of handwriting to analyze the person s personality traits features like the size of one s hand automated handwriting analysis system using principles of graphology and image processing ieee conference publication ieee xplore

handwriting analysis graphology lane community college - Sep 09 2023

web 33 graphology 204 the writing system of a language the history of writing the alphabet spelling punctuation and other contrasts systems of shorthand 34 the process of reading and writing 218 psychological accounts of the process of reading writing and spelling spelling regularity and spelling reform

handwriting analysis graphology lane community college - Jul 07 2023

web handwriting analysis graphology lane community college your conscious mind determines what you write and your subconscious mind controls how you write personality characteristics can be analyzed by size pressure speed spacing slant and over 20 others elements

handwriting analysis graphology lane community college - Apr 23 2022

web handwriting analysis graphology lane community college author tug do nl netlabs nl 2023 09 12 22 58 06 subject handwriting analysis graphology lane community college keywords handwriting analysis graphology lane community college created date 9 12 2023 10 58 06 pm

calculus engineers by donald trim abebooks - Feb 19 2022

web calculus for engineers by trim donald w and a great selection of related books art and collectibles available now at abebooks com

calculus for engineers trim studocu - Sep 28 2022

web trim book calculus for engineers follow this book documents 136 students 67 summaries date rating year ratings 33130 mathematical modelling 1 cheatsheet 6 pages 2020 2021 100 11 2020 2021 100 11 save complete lecture summaries 132 pages 2020 2021 100 5

calculus for engineers donald trim 9780131577138 pearson - May 25 2022

web calculus for engineers fourth canadian edition is appropriate for first year university level engineering physical science students who are studying calculus using an early transcendental approach trim emphasizes practical applications many of which are drawn from various engineering fields

calculus for engineers pearson - Apr 04 2023

web calculus for engineers welcome to the text enrichment site for donald trim s calculus for engineers fourth edition this site serves as a resource for both students and instructors using our textbook click on a link below to access additional

reference material for this text instructors visit our online catalogue at vig pearsoned

calculus for engineers 4th edition trim donald - Feb 02 2023

web mar 23 2007 calculus for engineers 4th edition 4th edition by donald trim author 4 1 22 ratings see all formats and editions hardcover 129 95 6 used from 89 99 1 new from 259 00 1 collectible from 139 95 using an early transcendental approach trim emphasizes practical applications many of which are drawn from various engineering

calculus for engineers semantic scholar - Aug 28 2022

web calculus for engineers inproceedings trim2000calculusfe title calculus for engineers author donald w trim year 2000 url api semanticsscholar org corpusid 125419142 d trim published

download calculus for engineers donald trim pdf - Mar 23 2022

web solution manual for semiconductor physics and devices 4ed neamen pdf we provide you calculus for engineers donald trim in pdf format so you can read and view pdf calculus for engineers donald trim download zip 70f81b9cb2 the hipster handbook pdf rarauthormessagecaijaiposts 19join date 2013 06

calculus for engineers trim donald 9780131577138 books - Jun 06 2023

web mar 23 2007 using an early transcendental approach trim emphasizes practical applications many of which are drawn from various engineering fields students begin with basic practice drills and then progress to problems that require the integration of information learned in previous chapters

calculus for engineers trim 9780137854943 abebooks - Apr 23 2022

web calculus for engineers trim published by prentice hall southeast asia pte ltd a pearson ed 1998 isbn 10 0137854943 isbn 13 9780137854943 new hardcover quantity 1 seller the book spot sioux falls sd u s a rating seller rating book description hardcover condition new seller inventory abebooks12128

calculus for engineers by donald w trim goodreads - Jan 01 2023

web nov 1 2000 this streamlined second edition of calculus for engineers will be of keen interest to engineers who are studying calculus using an early transcendental approach trim emphasizes practical applications drawn from various engineering fields

calculus for engineers by trim goodreads - Jun 25 2022

web calculus for engineers fourth canadian edition is appropriate for first year university level engineering physical science students who are studying calculus using an early transcendental approach trim emphasizes practical applications many of which are drawn from various engineering fields

calculus for engineers donald w trim google books - May 05 2023

web this streamlined third edition of calculus for engineers is appropriate for 1st year university level engineering students

who are studying calculus using an early transcendental approach trim emphasizes practical applications many of which are drawn from various engineering fields students begin with basic practice drills and then

calculus for engineers donald w trim google books - Aug 08 2023

web calculus for engineers donald w trim pearson prentice hall 2008 calculus 1119 pages using an early transcendental approach trim emphasizes practical applications many of which

calculus for engineers 4th edition pdf integral derivative - Jul 07 2023

web three categories of applications recur throughout the book to demonstrate the indispensability of calculus in engineering and the physical sciences velocity speed and acceleration play a major role in many physical systems in chapter 3 velocity and acceleration are introduced as derivatives and then given a fuller discussion in chapter 4

calculus for engineers by donald w trim open library - Oct 30 2022

web calculus for engineers by donald w trim 2004 pearson edition in english 3rd ed

calculus for engineers 4th edition trim donald abebooks - Jul 27 2022

web about this edition using an early transcendental approach trim emphasizes practical applications many of which are drawn from various engineering fields students begin with basic practice drills and then progress to problems that require the integration of information learned in previous chapters

calculus for engineers trim donald w free download - Oct 10 2023

web calculus for engineers by trim donald w publication date 2004 topics calculus engineering mathematics calcul infinite simal mathe matiques de l inge nieur publisher

calculus for engineers 3rd edition trim donald - Nov 30 2022

web jan 15 2004 calculus for engineers 119 95 24 only 1 left in stock using an early transcendental approach trim emphasizes practical applications many of which are drawn from various engineering fields students begin with basic practice drills and then progress to problems that require the integration of information learned in previous chapters

calculus for engineers trim donald w free download - Sep 09 2023

web may 5 2022 english xix 1324 122 pages 29 cm includes index plane analytic geometry and functions limits and continuity differentiation applications of differentiation the indefinite integral or antiderivative the definite integral applications of the definite integral further transcendental functions and their derivatives

calculus for engineers trim studocu - Mar 03 2023

web trim book calculus for engineers follow this book documents 117 students 67 practice materials date rating year ratings sample practice exam 2012 questions and answers lab 1 11 62 pages january 2012 100 4 january 2012 100 4 save