Question Paper Code: 10414

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2012.

Fourth Semester

Mechanical Engineering

ME 2254/113403/ME 45/CE 1259 T/10122 ME 405/080120018 — STRENGTH OF MATERIALS

(Common to Production Engineering and Automobile Engineering)

(Regulation 2008)

(Common to PTME 2254 – Strength of Materials for B.E. (Part-Time) Third Semester Mechanical Engineering, Regulation 2009)

Time: Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — $(10 \times 2 = 20 \text{ marks})$.

- 1. Define elasticity.
- 2. Give the relationship between modulus of Elasticity and modulus of Rigidity.
- List out the types of beams.
- 4. What is point of contra flexure?
- Write the expression for torsional rigidity of solid circular shaft.
- State the differences between closed coil and open coil helical springs.
- Give the expression for deflection of a simply supported beam carrying a point load at the centre.
- State the limitations of Euler's formula.
- 9. List out the stresses induced in thin cylindrical shell due to internal pressure.
 - 10. What are principal planes and stresses?

Fitting And Turning N2 Question Papers

Mike Jess

Fitting And Turning N2 Question Papers:

Thank you extremely much for downloading **Fitting And Turning N2 Question Papers**. Maybe you have knowledge that, people have look numerous time for their favorite books as soon as this Fitting And Turning N2 Question Papers, but stop up in harmful downloads.

Rather than enjoying a fine PDF past a mug of coffee in the afternoon, otherwise they juggled past some harmful virus inside their computer. **Fitting And Turning N2 Question Papers** is simple in our digital library an online admission to it is set as public so you can download it instantly. Our digital library saves in multiple countries, allowing you to get the most less latency time to download any of our books later this one. Merely said, the Fitting And Turning N2 Question Papers is universally compatible later any devices to read.

https://staging.conocer.cide.edu/data/publication/Download PDFS/hoover f5832910 vacuums owners manual.pdf

Table of Contents Fitting And Turning N2 Question Papers

- 1. Understanding the eBook Fitting And Turning N2 Question Papers
 - The Rise of Digital Reading Fitting And Turning N2 Question Papers
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Fitting And Turning N2 Question Papers
 - Exploring Different Genres
 - o Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Fitting And Turning N2 Question Papers
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Fitting And Turning N2 Question Papers
 - Personalized Recommendations
 - Fitting And Turning N2 Question Papers User Reviews and Ratings

- Fitting And Turning N2 Question Papers and Bestseller Lists
- 5. Accessing Fitting And Turning N2 Question Papers Free and Paid eBooks
 - Fitting And Turning N2 Question Papers Public Domain eBooks
 - Fitting And Turning N2 Question Papers eBook Subscription Services
 - Fitting And Turning N2 Question Papers Budget-Friendly Options
- 6. Navigating Fitting And Turning N2 Question Papers eBook Formats
 - o ePub, PDF, MOBI, and More
 - Fitting And Turning N2 Question Papers Compatibility with Devices
 - Fitting And Turning N2 Question Papers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Fitting And Turning N2 Question Papers
 - Highlighting and Note-Taking Fitting And Turning N2 Question Papers
 - Interactive Elements Fitting And Turning N2 Question Papers
- 8. Staying Engaged with Fitting And Turning N2 Question Papers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Fitting And Turning N2 Question Papers
- 9. Balancing eBooks and Physical Books Fitting And Turning N2 Question Papers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Fitting And Turning N2 Question Papers
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Fitting And Turning N2 Question Papers
 - Setting Reading Goals Fitting And Turning N2 Question Papers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Fitting And Turning N2 Question Papers
 - Fact-Checking eBook Content of Fitting And Turning N2 Question Papers
 - 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

Fitting And Turning N2 Question Papers Introduction

Fitting And Turning N2 Question Papers 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. Fitting And Turning N2 Question Papers Offers a vast collection of books, some of which are available for free as PDF downloads, particularly older books in the public domain. Fitting And Turning N2 Question Papers: 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 Fitting And Turning N2 Question Papers: Has an extensive collection of digital content, including books, articles, videos, and more. It has a massive library of free downloadable books. Free-eBooks Fitting And Turning N2 Question Papers Offers a diverse range of free eBooks across various genres. Fitting And Turning N2 Question Papers Focuses mainly on educational books, textbooks, and business books. It offers free PDF downloads for educational purposes. Fitting And Turning N2 Question Papers Provides a large selection of free eBooks in different genres, which are available for download in various formats, including PDF. Finding specific Fitting And Turning N2 Question Papers, especially related to Fitting And Turning N2 Question Papers, 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 Fitting And Turning N2 Question Papers, Sometimes enthusiasts share their designs or concepts in PDF format. Books and Magazines Some Fitting And Turning N2 Question Papers books or magazines might include. Look for these in online stores or libraries. Remember that while Fitting And Turning N2 Question Papers, 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 Fitting And Turning N2 Question Papers 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 Fitting And Turning N2 Question Papers 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 Fitting And Turning N2 Question Papers eBooks, including some popular titles.

FAQs About Fitting And Turning N2 Question Papers Books

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. 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. 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. 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. 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. Fitting And Turning N2 Question Papers is one of the best book in our library for free trial. We provide copy of Fitting And Turning N2 Question Papers in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Fitting And Turning N2 Question Papers. Where to download Fitting And Turning N2 Question Papers online for free? Are you looking for Fitting And Turning N2 Question Papers 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 Fitting And Turning N2 Question Papers. 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. Several of Fitting And Turning N2 Question Papers are for sale to free while some are payable. If you arent 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. 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 Fitting And Turning N2 Question Papers. So depending on what exactly you are searching, you will be able to choose e books to suit your own need.

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 Fitting And Turning N2 Question Papers To get started finding Fitting And Turning N2 Question Papers, 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 Fitting And Turning N2 Question Papers So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Fitting And Turning N2 Question Papers. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Fitting And Turning N2 Question Papers, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Fitting And Turning N2 Question Papers 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, Fitting And Turning N2 Question Papers is universally compatible with any devices to read.

Find Fitting And Turning N2 Question Papers:

hoover f5832910 vacuums owners manual

hope for america restoring ageless educational principles

honeywell rth221b installation manual

honeywell st9400c user manual

horse industry handbook study quide

hoshizaki km 2000sre3 owners manual

honeywell lynx touch 5100 installation manual

hong kong intercollegiate board of surgical colleges

hot water heater problems gas pilot light

hoshizaki km 1200mwe owners manual

honeywell lynxr i manual

honeywell niagara ax controllers manual

honors pre calc semester 2 final

honor your father coloring page

honors lab biology midterm study guide

Fitting And Turning N2 Question Papers:

the immortal life of henrietta lacks chapter 14 study guide quizlet - Nov 25 2022

web study with quizlet and memorize flashcards containing terms like how soon after henrietta's death did the media attempt to write about her what reasons did berg give for wanting information about the woman whose cells were used to grow hela how did telinde gey and others at johns hopkins respond to berg s request

the immortal life of henrietta lacks sparknotes - Jul 22 2022

web a summary of part 2 chapters 12 14 in rebecca skloot s the immortal life of henrietta lacks learn exactly what happened in this chapter scene or section of the immortal life of henrietta lacks and what it means perfect for acing essays tests and guizzes as well as for writing lesson plans

the immortal life of henrietta lacks questions and answers - Aug 23 2022

web mar 8 2021 ask and answer questions about the novel or view study guides literature essays and more join the discussion about the immortal life of henrietta lacks best summary pdf themes and quotes

the immortal life of henrietta lacks sparknotes - Jun 20 2022

web a summary of part 1 chapters 8 11 in rebecca skloot s the immortal life of henrietta lacks learn exactly what happened in this chapter scene or section of the immortal life of henrietta lacks and what it means perfect for acing essays tests and quizzes as well as for writing lesson plans

the immortal life of henrietta lacks study guide sparknotes - May 20 2022

web from a general summary until part summaries go explanations of famous quotes the sparknotes this eternal life of henrietta lacks study guide has everything you need to ace quizzes tests and essays

the immortal life of henrietta lacks sparknotes - Dec 27 2022

web quick quizzes full book quiz 1 of 25 what type of cancer did henrietta lacks have pancreatic cancer breast cancer cervical cancer lung cancer

chapter 1 study guide the immortal life of henrietta lacks quizlet - Jul 02 2023

web q chat aplfrootpunch top creator on quizlet terms in this set 10 how long did henrietta wait between first telling her closest friends that something didn t feel right and going to the doctor henrietta waited about a year between first telling her closest friends that something didn t feel right and going to the doctor

the immortal life of henrietta lacks study quide flashcards - Oct 05 2023

web study with quizlet and memorize flashcards containing terms like what did henrietta lacks tell her two cousin margaret and sadie that they never told her husband what did henrietta lacks find out about a week later after she noticed there was

something wrong with her vagina what did henrietta lacks doctor tell her to go to johns hopkins

the immortal life of henrietta lacks study guide shmoop - Sep 23 2022

web what is the immortal life of henrietta lacks about and why should i care did you get polio and lose the use of your legs when you were a baby we re betting the answer is no and for that you can thank mrs henrietta lacks and the scientists who learned how to culture her unusual cells

the immortal life of henrietta lacks discussion questions - Mar 30 2023

web feb 13 2023 1 on page xiii rebecca skloot states this is a work of nonfiction no names have been changed no characters invented no events fabricated consider the process skloot went through to verify dialogue re create scenes and establish facts imagine trying to re create scenes such as when henrietta discovered her tumor page 15

the immortal life of henrietta lacks study guide course hero - Apr 30 2023

web this study guide and infographic for rebecca skloot s the immortal life of henrietta lacks offer summary and analysis on themes symbols and other literary devices found in the text explore course hero s library of literature materials including documents and

the immortal life of henrietta lacks quizzes gradesaver - Mar 18 2022

web the immortal life of henrietta lacks study guide contains a biography of rebecca skloot literature essays quiz questions major themes characters and a full summary and analysis best summary pdf themes and quotes

the immortal life of henrietta lacks study guide gradesaver - Jun 01 2023

web the immortal life of henrietta lacks study guide contains a biography of rebecca skloot literature essays quiz questions major themes characters and a full summary and analysis best summary pdf themes and quotes

the immortal life of henrietta lacks summary enotes com - Feb 14 2022

web complete summary of rebecca skloot s the immortal life of henrietta lacks enotes plot summaries cover all the significant action of the immortal life of henrietta lacks

the immortal life of henrietta lacks study guide sparknotes - Aug 03 2023

web buy now view all available study guides from a general summary to chapter summaries to explanations of famous quotes the sparknotes the immortal life of henrietta lacks study guide has everything you need to ace quizzes tests and essays the immortal life of henrietta lacks enotes com - Apr 18 2022

web how did the lacks family find out that people were buying henrietta s cells what is the central thesis of the immortal life of henrietta lacks from the persausive argument found in the book by

the immortal life of henrietta lacks chapter 1 3 study guide quizlet - Oct 25 2022

web test match created by mcarlton1203 terms in this set 18 bleeding knot on cervix and pain with sex what were the first

symptoms of henrietta s disease she was afraid the doctor would take her womb and make her stop having children why did henrietta keep the symptoms from her doctor john hopkins gynecology clinic

the immortal life of henrietta lacks study guide litcharts - Sep 04 2023

web the best study guide to the immortal life of henrietta lacks on the planet from the creators of sparknotes get the summaries analysis and quotes you need

the immortal life of henrietta lacks enotes com - Feb 26 2023

web in the immortal life of henrietta lacks how was henrietta lacks sexually abused how old were henrietta s oldest lawrence and youngest joe children when their mother died in the

the immortal life of henrietta lacks essay questions - Jan 28 2023

web the immortal life of henrietta lacks study guide contains a biography of rebecca skloot literature essays quiz questions major themes characters and a full summary and analysis best summary pdf themes and quotes

chemistry the central science textbook solutions chegg com - Mar 09 2023

web 36 rows guided textbook solutions created by chegg experts learn from step by step solutions for over 34 000 isbns in math science engineering business and more

chemistry the central science solution manual chegg com - Jun 12 2023

web get instant access to our step by step chemistry the central science solutions manual our solution manuals are written by chegg experts so you can be assured of the

masteringchemistry for chemistry the central science 10th - Sep 22 2021

web home study science chemistry general chemistry general chemistry solutions manuals masteringchemistry for chemistry the central science 10th edition we

chemistry the central science 10th edition solution manual - Oct 24 2021

web chemistry the central science 10th edition solution manual by sony ajb 13 apr 4 249 views top portable media device types mp3 player manuals chemistry

chemistry the central science 10th edition solution manual - Apr 29 2022

web mar 28 2023 chemistry the central science 10th edition solutions manual pdf our collection article ebook chemistry the central science 10th

solutions to exercises for chemistry the central science 13th - Nov 05 2022

web vi 753 pages 28 cm this manual was written to enhance the end of chapter exercises by providing documented solutions the manual assists the instructor by saving time spent

solutions manual for chemistry the central science 13th edition by - May 31 2022

web may 30 2018 2 1 the atomic theory of matter 2 2 the discovery of atomic structure 2 3 the modern view of atomic structure 2 4 atomic weights 2 5 the periodic table 2 6

chemistry the central science activebook 10th edition - Jul 13 2023

web unlike static pdf chemistry the central science activebook 10th edition solution manuals or printed answer keys our experts show you how to solve each problem step

bookmark file chemistry the central science 10th - Nov 24 2021

web sep 8 2023 bookmark file chemistry the central science 10th edition lab manual pdf free download pdf heritage bafta org author eel pie publishing

chemistry the central science 10th edition umb edu - Jan 07 2023

web chemistry the central science 10th edition theodore l brown h eugene lemay jr and bruce e bursten chapter 1 introduction matter and measurement matter anything

solutions to red exercises chemistry the central science tenth - May 11 2023

web solutions to red exercises chemistry the central science tenth edition brown lemay bursten by wilson roxy publication date 2006 topics chemistry problems

chemistry the central science ap edition 10th edition - Aug 22 2021

web find step by step solutions and answers to chemistry the central science ap edition 9780131937192 as well as thousands of textbooks so you can move forward with

chemistry 10th edition student solutions manual by raymond - Jan 27 2022

web chemistry 10th edition student solutions manual ebook can be used to learn atom molecule ion chemical reaction gas thermochemistry quantum theory chemical

solution manual for chemistry the central science 14th edition - Aug 02 2022

web may 30 2018 solution manual for chemistry the central science 14th edition brown lemay bursten murphy woodwa full file at

solutions manual to exercises for chemistry the central science - $\text{Dec } 06\ 2022$

web solutions manual to exercises for chemistry the central science brown theodore e lemay h eugene bursten bruce e murphy catherine woodward patrick stoltzfus

chemistry the central science 15th edition pearson - Feb 08 2023

web feb 28 2022 isbn 13 9780137542970 chemistry the central science published 2022 need help get in touch

chemistry the central science 10th edition solutions manual - Dec 26 2021

web apr 3 2011 chemistry the central science 10th edition solutions manual brenda s 09 aug user manuals jan 27 2014 01

14 2023 seat tarraco owner s manual

chemistry the central science 10th edition yumpu - Jul 01 2022

web jan 2 2022 quite a few e book writers promote only a certain amount of every single plr e book so as to not flood the market together with the very same product or service and

chemistry the central science 10th ed with solutions - Apr 10 2023

web jan 1 2005 chemistry the central science 10th ed with solutions manual and media pak brown lemay bursten on amazon com free shipping on qualifying offers

chemistry the central science 10th edition solutions and - Aug 14 2023

web find step by step solutions and answers to chemistry the central science 9780131096868 as well as thousands of textbooks so you can move forward with

chemistry the central science 10th edition solution manual free - Feb 25 2022

web manuals library search is available after installation update your firefox search engine to yahoo optional try yahoo search with our addon by continuing you acknowledge

the central science brown et al chemistry libretexts - Oct 04 2022

web chemistry the central science by brown lemay bursten murphy and woodward this textmap is designed for the two semester general chemistry course and has been

solutions to exercises chemistry the central science - Sep 03 2022

web solutions to exercises chemistry the central science solutions manual only 11th edition paperback 3 7 3 7 out of 5 stars 4 ratings see all formats and editions

chemistry the central science 10th edition solutions manual - Mar 29 2022

web apr 17 2023 why is chegg study better than downloaded chemistry 10th edition pdf solution manuals it s easier to figure out tough problems faster using chegg study

the love slave by bertrice small ebook barnes - Apr 11 2023

web buy the love slave by small bertrice isbn 9780345385987 from amazon s book store everyday low prices and free delivery on eligible orders

the love slave small bertrice free download - Feb 09 2023

web it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a counterfeit bride to sate the lust of her twin s new husband come

the love slave amazon co uk small bertrice - Jan 08 2023

web the love slave small bertrice published by ivy books 1997 isbn 10 0449002136 isbn 13 9780449002131 new paperback

quantity 1 seller big bill s books austin tx u s a

the love slave by bertrice small overdrive - Oct 25 2021

love slave by bertrice small 9780307794871 penguin - Jun 13 2023

web about love slave it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a counterfeit bride to sate the lust of her twin s new

the love slave bertrice small google books - Nov 25 2021

the love slave by bertrice small audiobook scribd - Apr 30 2022

web it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a counterfeit bride to sate the lust of her twin s new husband come

love slave a novel bertrice small google books - May 12 2023

web bertrice small random house publishing group 1997 fiction 432 pages it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a

the love slave small bertrice 9780449002131 abebooks - Sep 04 2022

web it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a counterfeit bride to sate the lust of her twin s new husband come

pdf epub the love slave download - Aug 15 2023

web aug 13 2023 pdf epub the love slave download by bertrice small download the love slave by bertrice small in pdf epub format complete free brief summary of

the love slave by bertrice small 1997 08 30 amazon com - Sep 23 2021

love slave by bertrice small penguin random house canada - Dec 07 2022

web jan 1 1995 the love slave by bertrice small 1997 08 30 published january 1st 1762 by ivy books mass market paperback more details want to read rate this book 1 of

the love slave small bertrice 9780449002131 - Jul 14 2023

web aug 30 1997 audio cd 27 29 2 new from 27 29 it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a counterfeit bride

love slave a novel kindle edition by small - Dec 27 2021

read books by bertrice small online free on readanybook - Mar 30 2022

web jun 8 2021 it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a counterfeit bride to sate the lust of her twin s new husband

editions of the love slave by bertrice small goodreads - Aug 03 2022

web read books written by bertrice small in our e reader absolutely for free author of the border lord s bride the captive heart the love slave

the love slave bertrice small google books - Aug 23 2021

excerpt from love slave penguin random house canada - Jan 28 2022

web bertrice small random house publishing group 1997 fiction 432 pages it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a

amazon com the love slave audible audio edition - Oct 05 2022

web may 25 2011 it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a counterfeit bride to sate the lust of her twin s new husband

the love slave kirkus reviews - Mar 10 2023

web it will be her destiny to come under the tutelage of karim al malina master of the erotic arts who will mold regan now renamed zaynab the beautiful one into a love slave fit

the love slave book by bertrice small thriftbooks - Jul 02 2022

web sep 10 2023 virginia gov glenn youngkin r pardoned a loudoun county father whose daughter had been sexually assaulted at school and whose arrest had sparked outrage

youngkin pardons father of girl sexually assaulted at loudoun - Feb 26 2022

web mass market paperback 33 92 5 used from 33 92 2 new from 197 72 audio cd 27 29 2 new from 27 29 publisher ivy books publication date january 1 1762 see all details

the love slave by bertrice small audiobook - Nov 06 2022

web buy a cheap copy of the love slave book by bertrice small it is no act of love that regan experiences the night she takes her sister s place in the marriage bed a counterfeit bride

the love slave by bertrice small overdrive - Jun 01 2022

web love slave by bertrice small ebook ebooks com see all formats retailers the little hall at ben macdui was blue with smoke for the chimney drew poorly sorcha macduff