Grade 11 November Exam Scope

Mathematics:

Paper 1 – 2,5 hours

- 1. Exponents
- Surds
- Equations and inequalities, completing the square
- Nature of roots
- Number Patterns
- Functions straight line, parabola, hyperbola, exponential graphs
- Finance
- Probability 3 circle Venn diagrams, tree diagrams, contingency tables, independent events

Paper 2 - 2,5 hours

- Analytical geometry
- 2. Trigonometry reduction formulae, equations, identities, trig on the Cartesian plane
- Trig graphs
- Circle Euclidean geometry
- Statistics
- Trigonometry solving triangles using SOH CAH TOA, sin rule, cos rule and area rule
- Measurement

Life Sciences

Paper 1 - 2,5 hours

- Supporting systems and movement in animals human skeleton, joints, and muscles.
- Transport in animals the human circulatory system, heart structure, blood vessels, blood, and lymph as a tissue.
- Excretion in humans and the urinary system.
- The Human nervous system
 - The nervous systems
 - The brain, spinal cord, and reflex arc
 - Nerve tissue and transmission of nerve impulses
 - Receptors

<u>Life Science Paper Two Grade Exam Scope</u>

Yan Bai

Life Science Paper Two Grade Exam Scope:

Thank you utterly much for downloading **Life Science Paper Two Grade Exam Scope**. Maybe you have knowledge that, people have look numerous times for their favorite books similar to this Life Science Paper Two Grade Exam Scope, but end stirring in harmful downloads.

Rather than enjoying a fine ebook following a mug of coffee in the afternoon, then again they juggled taking into account some harmful virus inside their computer. **Life Science Paper Two Grade Exam Scope** is simple in our digital library an online permission to it is set as public consequently you can download it instantly. Our digital library saves in combined countries, allowing you to acquire the most less latency epoch to download any of our books subsequently this one. Merely said, the Life Science Paper Two Grade Exam Scope is universally compatible later than any devices to read.

https://staging.conocer.cide.edu/book/virtual-library/HomePages/La Medicina Natural En La Lucha Contra El Cancer.pdf

Table of Contents Life Science Paper Two Grade Exam Scope

- 1. Understanding the eBook Life Science Paper Two Grade Exam Scope
 - The Rise of Digital Reading Life Science Paper Two Grade Exam Scope
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Life Science Paper Two Grade Exam Scope
 - 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 Life Science Paper Two Grade Exam Scope
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Life Science Paper Two Grade Exam Scope
 - Personalized Recommendations
 - Life Science Paper Two Grade Exam Scope User Reviews and Ratings

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

Life Science Paper Two Grade Exam Scope Introduction

In this digital age, the convenience of accessing information at our fingertips has become a necessity. Whether its research papers, eBooks, or user manuals, PDF files have become the preferred format for sharing and reading documents. However, the cost associated with purchasing PDF files can sometimes be a barrier for many individuals and organizations. Thankfully, there are numerous websites and platforms that allow users to download free PDF files legally. In this article, we will explore some of the best platforms to download free PDFs. One of the most popular platforms to download free PDF files is Project Gutenberg. This online library offers over 60,000 free eBooks that are in the public domain. From classic literature to historical documents, Project Gutenberg provides a wide range of PDF files that can be downloaded and enjoyed on various devices. The website is user-friendly and allows users to search for specific titles or browse through different categories. Another reliable platform for downloading Life Science Paper Two Grade Exam Scope free PDF files is Open Library. With its vast collection of over 1 million eBooks, Open Library has something for every reader. The website offers a seamless experience by providing options to borrow or download PDF files. Users simply need to create a free account to access this treasure trove of knowledge. Open Library also allows users to contribute by uploading and sharing their own PDF files, making it a collaborative platform for book enthusiasts. For those interested in academic resources, there are websites dedicated to providing free PDFs of research papers and scientific articles. One such website is Academia.edu, which allows researchers and scholars to share their work with a global audience. Users can download PDF files of research papers, theses, and dissertations covering a wide range of subjects. Academia.edu also provides a platform for discussions and networking within the academic community. When it comes to downloading Life Science Paper Two Grade Exam Scope free PDF files of magazines, brochures, and catalogs, Issuu is a popular choice. This digital publishing platform hosts a vast collection of publications from around the world. Users can search for specific titles or explore various categories and genres. Issuu offers a seamless reading experience with its user-friendly interface and allows users to download PDF files for offline reading. Apart from dedicated platforms, search engines also play a crucial role in finding free PDF files. Google, for instance, has an advanced search feature that allows users to filter results by file type. By specifying the file type as "PDF,"

users can find websites that offer free PDF downloads on a specific topic. While downloading Life Science Paper Two Grade Exam Scope free PDF files is convenient, its important to note that copyright laws must be respected. Always ensure that the PDF files you download are legally available for free. Many authors and publishers voluntarily provide free PDF versions of their work, but its essential to be cautious and verify the authenticity of the source before downloading Life Science Paper Two Grade Exam Scope. In conclusion, the internet offers numerous platforms and websites that allow users to download free PDF files legally. Whether its classic literature, research papers, or magazines, there is something for everyone. The platforms mentioned in this article, such as Project Gutenberg, Open Library, Academia.edu, and Issuu, provide access to a vast collection of PDF files. However, users should always be cautious and verify the legality of the source before downloading Life Science Paper Two Grade Exam Scope any PDF files. With these platforms, the world of PDF downloads is just a click away.

FAQs About Life Science Paper Two Grade Exam Scope Books

- 1. Where can I buy Life Science Paper Two Grade Exam Scope 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 Life Science Paper Two Grade Exam Scope 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 Life Science Paper Two Grade Exam Scope 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 Life Science Paper Two Grade Exam Scope 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 Life Science Paper Two Grade Exam Scope books for free? Public Domain Books: Many classic books are available for free as theyre in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Life Science Paper Two Grade Exam Scope:

la medicina natural en la lucha contra el cancer

la conquista de mexicothe mexican conquest

la inteligencia republicana manuel azaaaa 18971930

la estructura psicosocial del arte

la galicia austral la inmigracion gallega en la argentina coleccion la argentina plural

la merveilleuse provence des peintures

la cocina mexicana oceano volume 2 hardcover by miriam dolores oscar de

la luz de la oracion

la fabricacion del estado 18641910 museo nacional de arte julionoviemb

la fin des ambassades

la idea colombina del descubrimiento desde mfxico 18361986 nuestra amfrica

la isla cuba y los cubanos hoy

la grandebretagne et la communauta europaenne perspectives internationales

la coleta del baron de munchhausen

la guaracha del macho camacho catedra 497

Life Science Paper Two Grade Exam Scope:

one of the largest superconducting magnets completed and - Oct 24 2021

electricity and magnetism college notes sph 111 handout i 1 - Apr 29 2022

web electricity and magnetism for bsc 1 accelerated educational opportunities undergraduate proposed uniform syllabus for u p state universities

b sc i year elect ectricity and ma magnetism - Sep 15 2023

web 1 electricity and magnetism for bsc 1 elementary principles of electricity and magnetism for jun 27 2021 excerpt from elementary principles of electricity and

introduction to electricity and magnetism specialization - Mar 09 2023

web electricity and magnetism epe1101 the aim of this course is to establish the fundamentals of electromagnetism in preparation for other courses of the degree

electricity and magnetism for bsc 1 dotnbm - Nov 05 2022

web electricity and magnetism for bsc 1 mh cet 2018 syllabus check physics chemistry math biology virtual learning environment class 10 science physics biology

electricity and magnetism definitions properties - $Oct\ 16\ 2023$

web elect dep uttara uttara bs b sc i year ectricity and ma epartment of physics school of sciences rakhand open universi rakhand open universi bscph 102

b sc i year electricity and magnetism - Apr 10 2023

web bsc electricity magnetism books pdf files elect b sc i year ectricity and magnetism uou electricity and magnetism department of physics

electricity and magnetism for bsc 1 pdf - Jun 12 2023

web learn the basics of electricity and magnetism with this course from uttarakhand open university this pdf file covers topics such as electric field potential capacitance

electricity and magnetism phycity com semester 2 bsc - Jul 01 2022

web electrodynamics bsc physics lecture 01 electricity and magnetism iit jam introduction cylindrical coordinate system electrodynamics bsc physics lecture 20

pdf iii sem bsc physics paper iii phy 301 electricity - Feb 25 2022

web electricity and magnetism follow this course documents 3 questions 0 students 1 practice materials date rating year ratings part 3 this is just a handout that has

bsc physics electricity and magnetism notes pdf download - Dec 26 2021

b sc i sem unit 1 electricity magnetism youtube - Sep 03 2022

web if you are looking for a b sc physics complete notes pdf download electricity and magnetism then you are in the right place chapter 1 electrical force and

electricity and magnetism b sc 1st year physics important - Oct 04 2022

web feb 8 2021 bsc bs notes on electricity and magnetism is given below those records will promote you understand electricity press magnetism very easily

electricity and magnetism for bsc 1 rhur impacthub net - Jan 27 2022

web oct 30 2023 various fusion projects are competing to deliver the energy of the sun to earth iter the largest international collaboration in this field aims doing that with the

electricity and magnetism b sc 1st year physics youtube - Jul 13 2023

web electric and magnetic fields in matter polarization vector clausius mossotti relation steady and varying electric currents growth and decay in lcr combination circuits

bsc electricity magnetism books notes pdf download - Jan 07 2023

web jan 17 2021 electricity and magnetism important questions electricitybsc magnetismbsc bscexam2021

b sc physics complete notes pdf download electricity - May 31 2022

web calculate the amplitude of electric and magnetic field at the antenna 14 in some region the electric potential varies as a function of [] 15[] 2 3[] 2 4[] 3[] volts determine the

electricity and magnetism for bsc 1 rhur impacthub net - Aug 02 2022

web electricity and magnetism college notes sph handout magnetism electricity and 1 10 magnetic properties of materials and their uses we begin the discussion of

download electricity and magnetism notes b sc - May 11 2023

web aug 12 2020 prof sivakumar rajagopalan electrodynamics bsc physics lecture 01 electricity and magnetism iit jam introduction requirements and syllabus for bsc

electricity and magnetism singapore institute of technology - $Dec\ 06\ 2022$

web b sc i sem unit 1 electricity magnetism electromagnetic theory kurushetra university pankaj physics gulati 31 videos 33 657 views last

electrodynamics bsc physics lecture 01 electricity and - Feb 08 2023

web this book entitled electricity magnetism covers the syllabi of b sc pass honours and engineering students of various

universities in india and is written purely in s i

electricity and magnetism for bsc 1 book - Aug 14 2023

web aug 24 2021 in this video we have seen important questions of electricity and magnetism for bsc 1st year download b sc 1st year complete notes and previous year papers

electricity and magnetism - Mar 29 2022

web electricity magnetism notes of bsc physics the notes includes of all units which comes under *electricity and magnetism phy 301 studocu* - Nov 24 2021

el juego patologico avances en la clinica y en el pdf dotnbm - Mar 06 2022

web as this el juego patologico avances en la clinica y en el it ends taking place bodily one of the favored books el juego patologico avances en la clinica y en el

comprensión y tratamiento del juego patológico aportaciones - Mar 18 2023

web juego patológico concepto comorbilidad y tipologías autores Ángels gonzález ibáñez localización el juego patológico avances en la clínica y en el tratamiento coord por

el juego patologico avances en la clinica y en el terry - Dec 03 2021

el juego patologico avances en la clinica y en el - Nov 14 2022

web tabla de contenidos comorbilidad del juego con otras patologías alternativas terapéuticas propuestas terapéuticas de las asociaciones nuevos desarrollos tipo

avances en el tratamiento del juego patológico - Apr 19 2023

web el juego patológico avances en la clínica y en el tratamiento psicología echeburúa odriozola enrique becoña iglesias elisardo labrador encinas francisco javier

el juego patológico avances en la clínica y en el - May 20 2023

web sep 15 2014 resumen en la génesis y el desarrollo del juego patológico entran en juego factores múltiples no obstante entre ellos se han considerado de especial

avances en el tratamiento del juego patológico academia edu - Jun 09 2022

web la adicción al juego es un viejo problema que se presenta en la actualidad con formas nuevas y de mayor gravedad el juego on line y la proliferación de las casas de

juego patologico el avances en la clÍnica y en el - Jul 10 2022

web en este libro nos enfrentamos a la gravedad de una enfermedad social a la que no se le ha dado la importancia que

amerita tal vez por las luces y el glamour bajo los que se

el juego patologico avances en la clinica y en el 2022 - Apr 07 2022

web el juego patologico avances en la clinica y en el as recognized adventure as with ease as experience just about lesson amusement as without difficulty as covenant can

el juego patológico avances en la clínica y en el tratamiento - Feb 05 2022

avances en el tratamiento del juego patológico adicciones - Oct 13 2022

web juego patologico el avances en la clÍnica y en el tratamiento echeburua odriozola enrique libro en papel 9788436824124 librería hijos

juego patológico concepto comorbilidad y tipologías dialnet - Dec 15 2022

web oct 12 2023 por el dr julio vallejo en la que se abordan los fundamentos psicopatológicos de la psiquiatría todos los capítulos han sido revisados y actualizados

juego patológico definición características y criterios diagnósticos - May 08 2022

web el juego patológico avances en la clínica y en el tratamiento echeburúa odriozola enrique becoña iglesias elisardo labrador encinas francisco javier fundación

el juego patologico avances en la clinica y en el copy - Sep 12 2022

web en el artículo se describe la ludopatía partiendo de la premisa de la organización mundial de la salud donde se considera como una enfermedad además se generan

el juego patológico avances en la clínica y en el tratamiento - Feb 17 2023

web el juego patologico avances en la clinica y en el guía de pruebas diagnósticas y de laboratorio may 14 2021 la obra ofrece un acceso rápido a las pruebas diagnósticas y

el juego patologico avances en la clinica y en el - Jan 04 2022

nuevas perspectivas en el tratamiento del juego - Jan 16 2023

web resumen en este artículo se lleva a cabo una revisión bibliográfica sobre los avances en el tratamiento de la ludopatía los estudios referidos a la terapia del juego patológico

el juego patologico avances en la clinica y en el - Aug 23 2023

web sinopsis de el juego patologico avances en la clinica y en el tratamiento la adicción al juego es un viejo problema que se presenta en la

el juego patológico avances en la clínica y en el tratamiento - Aug 11 2022

web 2 5 fases habituales en el desarrollo del juego patológico 2 6 consecuencias del juego patológico 2 7 psicopatología asociada tema 3 el juego patológico en

el juego patológico avances en la clínica y en el tratamiento - Sep 24 2023

web se abordan los principales problemas clínicos se describe la comorbilidad del juego con otras patologías se ofrecen las diversas alternativas terapéuticas psicológicas y

el juego patológico avances en la clínica y en el tratamiento - Jul 22 2023

web el juego patológico avances en la clínica y en el tratamiento enrique echeburúa odriozola coord elisardo becoña iglesias coord francisco javier labrador encinas

avances en el tratamiento del juego patológico - Jun 21 2023

web psychological treatment pharmacological treatment relapse prevention introducción la ludopatía es un trastorno mental que aparece clasificado por primera vez como una

mechanical engineering at tennessee tech university faculty - May 18 2023

web list of faculty and staff for the mechanical engineering academic program at tennessee tech university offering a degree in mechanical engineering with concentrations in mechatronics and vehicle engineering

uts 68414 advanced mechanics science uts handbook - Sep 10 2022

web the subject covers advanced topics of classical mechanics such as dynamics in force fields coupled oscillators and rotational motion the subject also provides an introduction to lagrangian formalism in mechanics the emphasis is on the development of advanced problem solving skills typical availability autumn session city campus advanced mechanics of materi tennessee tech university pdf uniport edu - Jul 20 2023

web oct 23 2023 advanced materials ivan a parinov 2015 12 14 this proceedings volume presents selected and peer reviewed 50 reports of the 2015 international conference on physics and mechanics of new materials and their applications azov russia

advanced mechanics of materi tennessee tech university - Feb 15 2023

web advanced mechanics of materi tennessee tech university author rhur impacthub net 2023 10 04 00 16 18 subject advanced mechanics of materi tennessee tech university keywords advanced mechanics of materi tennessee tech university created date 10 4 2023 12 16 18 am

advanced mechanics of materi tennessee tech university pdf uniport edu - Oct 23 2023

web oct 23 2023 advanced mechanics of materi tennessee tech university 1 4 downloaded from uniport edu ng on october 23 2023 by guest advanced mechanics of materi tennessee tech university eventually you will categorically discover a further experience and finishing by spending more cash still when complete you receive that

advanced mechanics of materi tennessee tech university - May 06 2022

web advanced mechanics of composite materials and structural elements mechanical design of machine components advanced mechanics of materials and applied elasticity advanced mechanics of composite materials and structural elements applied mechanics of solids advanced mechanics of materi tennessee tech university downloaded mechanics of materials the asian school of the environment - Jan 14 2023

web this course covers the basic topics of mechanics of materials the principal topics are force vectors equilibrium of rigid body stress and strain mechanical properties of materials analysis and design of structural members subjected to tension compression torsion bending and shear the transformation of stress strain components and mechanical engineering graduate program to tech - Aug 21 2023

web the mechanical engineering m s program at tennessee tech provides students advanced engineering skills and state of the art knowledge in selected areas for positions in industry or pursuing a ph d students focus their programs on me 559 advanced mechanics of materials i acalog acms - Apr 17 2023

web oct 30 2023 me 559 advanced mechanics of materials i 3 credit hours elasticity in three dimensions equations of equilibrium strain displacement relations compatibility

advanced mechanics of materi tennessee tech university uniport edu - Jun 07 2022

web advanced mechanics of materi tennessee tech university 1 4 downloaded from uniport edu ng on june 18 2023 by guest advanced mechanics of materi tennessee tech university right here we have countless books advanced mechanics of materi tennessee tech university and collections to check out

advanced mechanics of materi tennessee tech university - Mar 04 2022

web it is your unconditionally own get older to proceed reviewing habit along with guides you could enjoy now is advanced mechanics of materi tennessee tech university below students enrolled for advanced degrees fall 1968 institutional data united states office of education 1970 damage detection in composite materials john e masters 1992

pdf advanced mechanics of materi tennessee tech university - Sep 22 2023

web advanced mechanics of materi tennessee tech university the origins of conflict in afghanistan oct 04 2021 focusing on afghanistan s relations with the west during the latter half of the 20th century this study offers new insights on the long term origins of the nation s recent tragedies

advanced mechanics of materi tennessee tech university - Dec 13 2022

web mar 30 2023 this advanced mechanics of materi tennessee tech university as one of the most in force sellers here will enormously be among the best options to review title

advanced mechanics of materi tennessee tech university pdf uniport edu - Jun 19 2023

web mar 21 2023 advanced mechanics of materi tennessee tech university is available in our book collection an online access to it is set as public so you can get it instantly our digital library hosts in multiple countries allowing you to get the most less latency time to download any of our books like this one

advanced mechanics of materials complete study notes - Mar 16 2023

web m6104 advanced mechanics of materials complete study notes from module 1 to module 4 covers all examinable content including key points mentioned in the lecture and formulae that need to be included in the crib sheet master of science in mechanical engineering ntu singapore - Aug 09 2022

web the course aims to provide you with a comprehensive knowledge of essentials of advanced topics of mechanics of solids including aspects of mechanics and aspects of materials the first part of the current course will cover the advanced topics of statically indeterminacy stress concentration and creep and viscoelasticity

advanced mechanics of materi tennessee tech university copy - Jul 08 2022

web advanced mechanics of structures the university of tennessee register for and announcement for advanced mechanics of materials advanced mechanics of composite materials and structural elements mechanical design of machine components energy research abstracts applied strength of materials nasa technical note

advanced mechanics of materi tennessee tech university copy uniport edu - Nov 12 2022

web oct 23 2023 advanced mechanics of materi tennessee tech university is available in our digital library an online access to it is set as public so you can get it instantly our books collection saves in multiple locations allowing you to m6105 ntu advanced mechanics of material studocu - Oct 11 2022

web ratings studying m6105 advanced mechanics of material at nanyang technological university on studocu you will find tutorial work essays lecture notes summaries

advanced mechanics of materi tennessee tech university - Apr 05 2022

web sep 30 2023 advanced mechanics of materi tennessee tech university author online kptm edu my 2023 09 30 17 30 52 subject advanced mechanics of materi tennessee tech university keywords advanced mechanics of materi tennessee tech university created date 9 30 2023