SCHEME OF EXAMINATION

There will be three papers – Papers 1, 2 and 3. Papers 1 and 2 will a composite paper and will be taken at one sitting.

Paper 1 will be a multiple choice objective test. It will contain fifty questions distributed as follows:

- (a) Twenty questions on General Knowledge of Literature;
- (b) Five questions on an unseen prose passage;
- (c) Five questions on an unseen poem;
- (d) Twenty context questions on the prescribed Shakespearean text.

Candidates will be required to answer all the questions within 1 hour for 50 marks.

Paper 2 will be an essay test with two sections, Sections A and B. Section A will be on African Prose and Section B on Non-African Prose.

Two essay questions will be set oneach of the novels prescribed for study. Candidates shall be required to answeronequestion only from each section within 1 hour 15 minutes for 50 marks.

Paper 3 will be on the Drama and Poetry components of the syllabus. It will be put into four sections, Sections A, B, C and D as follows:

Section A: African Drama

Section B: Non-African Drama

Section C: African Poetry

Section D: Non-African Poetry

There shall be two questions on each of the prescribed drama texts for Sections A and B. There shall also be two questions for each of the poetry sections ie Sections C and D.

Candidates shall be required to answer one question from each of the sections, making a total of four questions. The paper will take 2 hours 30 minutes to complete and will carry 100 marks.

Sample Questions Of2014 Waec Literature Paper 3 Questionss

Huangqi Zhang

Sample Questions Of 2014 Waec Literature Paper 3 Questionss:

Sample Questions Of2014 Waec Literature Paper 3 Questionss Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "Sample Questions Of2014 Waec Literature Paper 3 Questionss," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we will delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

 $\frac{https://crm.avenza.com/About/uploaded-files/Documents/Pearson\%20Education\%20Geometry\%20Test\%20Answers\%20Ch\%201.pdf$

Table of Contents Sample Questions Of2014 Waec Literature Paper 3 Questionss

- 1. Understanding the eBook Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - The Rise of Digital Reading Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Sample Questions Of 2014 Waec Literature Paper 3 Questionss
 - 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 Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - Personalized Recommendations
 - Sample Questions Of2014 Waec Literature Paper 3 Questionss User Reviews and Ratings

- Sample Questions Of2014 Waec Literature Paper 3 Questionss and Bestseller Lists
- 5. Accessing Sample Questions Of2014 Waec Literature Paper 3 Questionss Free and Paid eBooks
 - Sample Questions Of2014 Waec Literature Paper 3 Questionss Public Domain eBooks
 - Sample Questions Of2014 Waec Literature Paper 3 Questionss eBook Subscription Services
 - Sample Questions Of2014 Waec Literature Paper 3 Questionss Budget-Friendly Options
- 6. Navigating Sample Questions Of2014 Waec Literature Paper 3 Questionss eBook Formats
 - o ePub, PDF, MOBI, and More
 - Sample Questions Of2014 Waec Literature Paper 3 Questionss Compatibility with Devices
 - Sample Questions Of2014 Waec Literature Paper 3 Questionss Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - Highlighting and Note-Taking Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - Interactive Elements Sample Questions Of2014 Waec Literature Paper 3 Questionss
- 8. Staying Engaged with Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Sample Questions Of2014 Waec Literature Paper 3 Questionss
- 9. Balancing eBooks and Physical Books Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Sample Questions Of2014 Waec Literature Paper 3 Questionss
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Sample Questions Of 2014 Waec Literature Paper 3 Questionss
 - Setting Reading Goals Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - Fact-Checking eBook Content of Sample Questions Of2014 Waec Literature Paper 3 Questionss
 - 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

Sample Questions Of 2014 Waec Literature Paper 3 Questionss Introduction

In the digital age, access to information has become easier than ever before. The ability to download Sample Questions Of2014 Waec Literature Paper 3 Questionss has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Sample Questions Of2014 Waec Literature Paper 3 Questionss has opened up a world of possibilities. Downloading Sample Questions Of2014 Waec Literature Paper 3 Questionss provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the costeffective nature of downloading Sample Questions Of2014 Waec Literature Paper 3 Questionss has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Sample Questions Of2014 Waec Literature Paper 3 Questionss. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Sample Questions Of2014 Waec Literature Paper 3 Questionss. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Sample Questions Of2014 Waec Literature Paper 3 Questionss, users should also consider the potential security risks associated with online platforms. Malicious actors may

exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Sample Questions Of2014 Waec Literature Paper 3 Questionss has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Sample Questions Of2014 Waec Literature Paper 3 Questionss Books

- 1. Where can I buy Sample Questions Of2014 Waec Literature Paper 3 Questionss 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 Sample Questions Of2014 Waec Literature Paper 3 Questionss 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 Sample Questions Of2014 Waec Literature Paper 3 Questionss 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 Sample Questions Of2014 Waec Literature Paper 3 Questionss 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 Sample Questions Of2014 Waec Literature Paper 3 Questionss 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 Sample Questions Of2014 Waec Literature Paper 3 Questionss:

pearson education geometry test answers ch 12

pea plant punnett square sheet answer key

pearson comprehensive medical assisting powerpoint

pearson chapter 10 photosynthesis packet answers

pearson anatomy and physiology exam 1

pearson education chemistry answer key chapter 9

pearson mystatlab answer key

pcg 81112m sony manual

pearson campbell biology 9th edition

pearson algebra 2 page 403

pearson education biology workbook answer key 27

pcb maharashtra state board mcq

pearson laboratory manual chemistry 121

pearson education inc grade math reteaching

pcs 1 basic cource manual

Sample Questions Of 2014 Waec Literature Paper 3 Questionss:

last orders picador 40th anniversary edition pica - Oct 24 2021

web last orders picador 40th anniversary edition pica 3 3 objects and rituals from the humble milk carton to the act of tying one s shoes the mezzanine at once defamiliarizes

lastorderspicador40thanniversaryeditionpica pdf - Mar 29 2022

web last orders picador 40th anniversary edition pica downloaded from sql1 viewber co uk by guest strickland ibarra thoreau s axe random house enter olivia joules

last orders picador 40th anniversary edition pica download - May 31 2022

web jan 5 2023 4717847 last orders picador 40th anniversary edition pica 1 9 downloaded from beta carlislebrandtires com on by guest last orders picador 40th

last orders picador 40th anniversary edition for sale online ebay - Apr 10 2023

web find many great new used options and get the best deals for last orders picador 40th anniversary edition picador 40th anniversary edition at the best online prices at

last orders picador 40th anniversary edition pica pdf - Feb 25 2022

web last orders picador 40th anniversary edition pica 3 3 habitats for wildlife part gripping memoir part fascinating account of the ecology of our countryside wilding is above all

last orders picador s 40th anniversary editions by graham - Dec 06 2022

web picador kitapları en yeni ve en Çok satan kitapları satılmaktadır yayinevine ait en iyi kitaplar son çıkan kitapları satılmaktadır

last orders picador 40th anniversary edition picador 40th - Nov 24 2021

web those all we pay for last orders picador 40th anniversary edition pica and numerous books collections from fictions to scientific research in any way in the midst of them is

picador gta wiki fandom - Dec 26 2021

web jun 16 2023 anniversary edition picador 40th anniversary editn by graham swift by online we pay off for you this suitable as expertly as uncomplicated pretension to fetch

home picador macmillan - Jan 07 2023

web booktopia has last orders picador s 40th anniversary editions by graham swift buy a discounted paperback of last orders online from australia s leading online bookstore

last orders picador 40th anniversary edition pica joseph - Aug 02 2022

web last orders picador 40th anniversary edition pica picador 40th anniversary anthology indian country the last empires

hunter s moon the rise and fall of the

picador kitapları en yeni ve en Çok satan kitapları satılmaktadır - Nov 05 2022

web you could speedily obtain this last orders picador 40th anniversary edition picador 40th anniversary editn by graham swift after obtaining bargain we disburse for last

last orders picador 40th anniversary edition pica - Apr 29 2022

web seller last orders picador 40th anniversary edition for sale find many great new used options and get the best deals for last orders picador 40th anniversary edition at the

picador modelleri fiyatları ve Ürünleri hepsiburada - Feb 08 2023

web stay up to date on all things picador from company updates tours events or what to read next sign up for picador s newsletters today select your country your email

last orders picador 40th anniversary edition book grocer - Jun 12 2023

web last orders picador 40th anniversary edition picador 40th anniversary editn 9781447202820 fiction last orders is a much loved classic of english literature it

last orders picador 40th anniversary edition picador 40th - May 11 2023

web find many great new used options and get the best deals for last orders picador 40th anniversary edition at the best online prices at ebay free shipping for many products

last orders picador 40th anniversary edition - Aug 14 2023

web picador collection era defining modern classics with a bold new look 2022 marked fifty years of picador and the launch of the picador collection a new list of contemporary

introducing picador collection pan macmillan - Jul 13 2023

web for reasons best known to herself jack s widow amy declines to join them on the surface the tale of a simple if increasingly bizarre day s outing last orders is graham swift s

last orders picador 40th anniversary edition pica - Sep 22 2021

last orders picador 40th anniversary edition pica pdf analytics - Jan 27 2022

web the picador is a coupé utility featured in grand theft auto san andreas grand theft auto v and grand theft auto online it is manufactured by cheval in the hd universe the

last orders picador 40th anniversary edition pica kathryn - Sep 03 2022

web as acuteness of this last orders picador 40th anniversary edition pica can be taken as skillfully as picked to act sport and modern social theorists richard giulianotti 2004

last orders picador 40th anniversary edition pica pdf - Jul 01 2022

web the picador book of 40 last orders picador 40th anniversary edition pica downloaded from stackdockeridp fixspec com by guest charles harper the sea the sea

last orders picador 40th anniversary edition picador 40th - Mar 09 2023

web picador modelleri ve ürünleri en uygun fiyatlar ile hepsiburada com da en ucuz picador modelleri ve kampanyalar hakkında bilgi almak için tıklayın

last orders picador 40th anniversary edition picador 40th - Oct 04 2022

web you to get the most less latency times to download any of our books following this one merely said the last orders picador 40th anniversary edition pica is universally

downloadable free pdfs minecon 21st century skills innovation - Feb 08 2023

web minecon 21st century skills innovation library un the library innovation toolkit jan 17 2023 this stimulating collection offers numerous snapshots of innovation in action at

minecon 21st century skills innovation library un marek - Sep 22 2021

web minecon 21st century skills innovation library un is manageable in our digital library an online entry to it is set as public correspondingly you can download it instantly our

minecon 21st century skills innovation library un uniport edu - May 11 2023

web aug 7 2023 minecon 21st century skills innovation library un 1 7 downloaded from uniport edu ng on august 7 2023 by guest minecon 21st century skills innovation

minecon 21st century skills innovation library un pdf 2023 - Jul 13 2023

web enter the realm of minecon 21st century skills innovation library un pdf a mesmerizing literary masterpiece penned by a distinguished author guiding readers on a profound

minecon 21st century skills innovation library un copy - Jul 01 2022

web minecon 21st century skills innovation library un intel skills for innovation is reinventing technology s role in feb 09 2023 web library of 70 activities the starter

minecon 21st century skills innovation library un pdf wp - Mar 29 2022

web minecon 21st century skills innovation library un enjoying the melody of term an psychological symphony within minecon 21st century skills innovation library un in

minecon 21st century skills innovation library un - Mar 09 2023

web in developing innovative solutions and organizing events that increase the efficiency of economic and innovative activities technology soviet energy availability 1981

using minecraft to enhance collaboration as a 21st century skill - Nov 05 2022

web oct 21 2016 enhancing 21st century skills and in particular collaboration within a video game which is a familiar space for the pupils we believe that minecraft can successfully

minecon 21st century skills innovation library un pdf uniport edu - Oct 24 2021

web apr 11 2023 minecon 21st century skills innovation library un 1 12 downloaded from uniport edu ng on april 11 2023 by guest minecon 21st century skills innovation

minecon 21st century skills innovation library un pdf pdf - Aug 02 2022

web learn all about minecon the annual convention of minecraft players and game designers where big things are always sure to happen includes table of contents glossary and

minecon 21st century skills innovation library un download - Sep 03 2022

web appropriately can be a powerful tool for learning skills such as planning time management cooperation creativity and digital literacy the book s clearly articulated strategies help

minecon 21st century skills innovation library un rachel - Jun 12 2023

web creativity and problem solving skills to build entire worlds from scratch in this book readers will discover how the game began as the hobby project of a single independent game

minecon wikipedia - Dec 06 2022

web minecon alternatively capitalised as minecon or minecon is an annual interactive livestream and fan convention about the video game minecraft hosted by mojang the

21st century skills for all unicef office of innovation - Jan 07 2023

web nov 6 2018 this joint programme will aim to encourage just that through a series of workshops vulnerable and marginalised youth will learn crucial skills such as critical

minecon 21st century skills innovation library un copy - Feb 25 2022

web and innovation skills for the 21st century researchgate aug 05 2022 web sep 1 2018 tatiana de creativity and innovation have been highlighted as essential skills for the 21

minecon 2015 minecraft wiki - Jan 27 2022

web minecon 2015 was held in london england at the excel london exhibition and conference centre from july 4 to 5 the combat update was showcased during the

minecon 21st century skills innovation library un pdf download - Apr 29 2022

web may 26 2023 minecon 21st century skills innovation library un pdf is available in our digital library an online right of entry to it is set as public suitably you can download it

minecon 21st century skills innovation library un copy - Dec 26 2021

web minecon 21st century skills innovation library un 2 8 downloaded from uniport edu ng on july 21 2023 by guest where copper and fossil fuels were formed and the likely future

ebook minecon 21st century skills innovation library un - Apr 10 2023

web minecon 21st century skills innovation library un innovation and experiential learning in academic libraries aug 19 2022 innovation and experiential learning in academic

minecon 21st century skills innovation library un copy - Aug 14 2023

web feb 19 2023 kindly say the minecon 21st century skills innovation library un is universally compatible with any devices to read minecraft story mode josh gregory

minecon 21st century skills innovation library unofficial guides - Oct 04 2022

web may 20th 2020 minecon 21st century skills innovation library unofficial guides junior gregory josh on free shipping on qualifying offers minecon 21st century skills

minecon 21st century skills innovation library un copy - Nov 24 2021

web jun 16 2023 minecon 21st century skills innovation library un 1 8 downloaded from uniport edu ng on june 16 2023 by guest minecon 21st century skills innovation

minecon 21st century skills innovation library un - May 31 2022

web 21st century skills innovation library takes a look at people creativity and technology and how they combine to make important innovations it explores how lasting

mechatronic prototype of parabolic solar tracker - Dec 25 2022

web jan 1 2013 an embedded system that contains hardware and software was developed for two axis solar tracking system to improve photovoltaic panel utilization the hardware

optimization controller for mechatronic sun tracking system to - Nov 23 2022

web two degrees of freedom mechatronic solar tracking system was developed in the present study to improve the performance of photovoltaic cell panels the present tracking

mechatronic system design for a solar tracker request pdf - Sep 21 2022

web 2 mechatronics application to solar tracking 2023 02 07 applications this breakthrough volume is a one stop shop for any engineer or student interested in

mechatronic design and implementation of a two axes - Sep 02 2023

web nov 1 2017 even when the energy consumption of the solar tracker is considered the sun tracker based scheme increased the energy generation in a range of 12 20 as

mechatronics application to solar tracking semantic scholar - Jan 14 2022

web sun tracking and solar renewable energy harvesting renewable and alternative energy concepts methodologies tools and applications mechanisms transmissions and

mechatronics application to solar tracking by danny l - Feb 12 2022

web this is the project file for the solar tracker prototype the program recalls the previously defined sensor data for positioning calculations the top sensors are averaged to create

mechanism designs for solar tracking springerlink - Apr 28 2023

web oct 14 2021 in this paper mechanism design for solar trackers is discussed in terms of serial and parallel architectures that are analyzed to characterize the feasible

mechatronic system design for a solar tracker igi global - Mar 28 2023

web abstract the performance and cost effectiveness of photovoltaic cells depends greatly on the intensity of solar radiation to which they are exposed integrating a solar tracking

mechatronic design and implementation of a two axes - May 30 2023

web nov 1 2017 abstract in the study presented in this paper the problem of the design and implementation of a two axis sun tracking system was addressed by applying a set of

mechatronics application to solar tracking pdf - Aug 01 2023

web the book covers a variety of applications such as solar water heaters solar air heaters solar drying nanoparticle based direct absorption solar systems solar volumetric

mechatronics design of solar tracking system inpressco - Jun 18 2022

web 2 mechatronics application to solar tracking 2021 11 12 mechatronics engineering and technology that are non trivial in the age of industry 4 0 it discusses traditional as

mechatronics application to solar tracking - Oct 03 2023

web mechatronics application to solar tracking 4 1 executive summary the purpose of this was to design and implement a two axis solar tracking system utilizing the national

mechatronics design of solar tracking system inpressco - Jul 20 2022

web this paper proposes the conception and development of smart solar tracking system based on mechatronics design approach such that the solar panel through both day

mechatronics application to solar tracking pdf api4 nocvedcu - Dec 13 2021

web mechatronics application to solar tracking 4 1 executive summary the purpose of this was to design and implement a two axis solar tracking system utilizing the national

mechatronics application to solar tracking semantic scholar - Jun 30 2023

web mechatronics application to solar tracking inproceedings rodrguez2011mechatronicsat title mechatronics application to mechatronic system design for a solar tracker igi global - Jan 26 2023

web mechatronic system design for a solar tracker 10 4018 978 1 4666 7387 8 ch030 the performance and cost effectiveness of photovoltaic cells depends greatly on the intensity

mechatronics application to solar tracking - Apr 16 2022

web mechatronics application to solar tracking danny alejandro ramos rodriguez 2011 the purpose of this was to design and implement a two axis solar tracking system utilizing

pdf a smart mechatronic solar tracking system for improved - Oct 23 2022

web jan 1 2017 this paper introduces design and application of a novel one axis sun tracking system which follows the position of the sun and allows investigating effects of

mechatronics application to solar tracking academia edu - Mar 16 2022

web apr 14 2011 mechatronics application to solar tracking danny l rodriguez jr purdue university follow abstract the purpose of this was to design and implement a

mechatronics application to solar tracking core ac uk - Nov 11 2021

mechatronics application to solar tracking core - Feb 24 2023

web apr 14 2011 mechatronics application to solar tracking danny l jr rodriguez 14 april 2011 purdue university bepress abstract the purpose of this was to design and

mechatronics application to solar tracking 2022 ol wise edu - May 18 2022

web tracking sun tracker solar tracker follow sun sun position calculation azimuth elevation zenith sun following sunrise sunset moon phase moonrise

mechatronics application to solar tracking - Aug 21 2022

web this paper proposes the conception and development of smart solar tracking system based on mechatronics design approach such that the solar panel through both day