

## Lab 4 - PLANT PIGMENTS & PHOTOSYNTHESIS

### Exercise 4A: Plant Pigment Chromatography (pages 45 - 48)

READ lab introduction page 45-46.

LAB:

1. Use the chromatography bottles and add approximately 1 cm of chromatography solvent to the bottom. **CAP.**
2. Use the strips of chromatography paper, and draw a faint pencil line 1.5 cm from the bottom.
3. Use a coin to extract chlorophyll from the spinach leaves onto the pencil line. (Roll the coin across the top of the leaf over the pencil line 8-10 times using a new portion of the leaf each time.)
4. Place the chromatography strip into the chamber so that the chromatography liquid is **BELOW** the chlorophyll on your pencil line.
5. **RECAP** and do not disturb the bottle until the chromatography front is about .5 cm from the top.
6. Remove the strip & **IMMEDIATELY MARK THE SOLVENT FRONT WITH A FAINT PENCIL LINE.**
7. Measure the migration distance in millimeters (mm) of each pigment from its starting point (your first pencil line) to its highest migration point. Also measure the total migration distance for the chromatography solvent.
8. Draw Data table 4.1 into your notebook and record the migration distances and colors.

ANALYSIS:

1. Draw and complete table 4.2 and answer questions 1-3 on pages 47 & 48.

### Exercise 4B: The Light Reaction of Photosynthesis

READ lab 4B introduction of pages 48 & 49.

LAB:

1. Use the sample data in Table 4.4 percent transmittance to analyze the effect of various environmental conditions on chloroplasts.

ANALYSIS:

1. Graph the results being use to label the x and y axis.
2. Write out and answer questions 1-8 on pages 52 & 53.
- 3.

Cuvette	Time (minutes)			
	0	5	10	15
2 unboiled/dark	31.5	32.7	35.7	35.2
3 unboiled/light	32.7	54.5	63.7	65.1
4 boiled/light	32.7	32.9	33.1	32.5
5 no chloroplasts/light	31.0	31.0	31.0	31.0

**Write TWO SEPARATE REPORTS** for lab 4. The first report will be on plant pigment chromatography, and the second will be on the light reaction of photosynthesis.

# Plant Pigments And Photosynthesis Lab Report

**Huangqi Zhang**



## **Plant Pigments And Photosynthesis Lab Report:**

## **Plant Pigments And Photosynthesis Lab Report** Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the ability of words has be much more evident than ever. They have the capability to inspire, provoke, and ignite change. Such could be the essence of the book **Plant Pigments And Photosynthesis Lab Report**, a literary masterpiece that delves deep in to the significance of words and their impact on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

<https://crm.avenza.com/book/publication/index.jsp/Pyrox%20Elite%20Heater%20Manual.pdf>

### **Table of Contents Plant Pigments And Photosynthesis Lab Report**

1. Understanding the eBook Plant Pigments And Photosynthesis Lab Report
  - The Rise of Digital Reading Plant Pigments And Photosynthesis Lab Report
  - Advantages of eBooks Over Traditional Books
2. Identifying Plant Pigments And Photosynthesis Lab Report
  - 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 Plant Pigments And Photosynthesis Lab Report
  - User-Friendly Interface
4. Exploring eBook Recommendations from Plant Pigments And Photosynthesis Lab Report
  - Personalized Recommendations
  - Plant Pigments And Photosynthesis Lab Report User Reviews and Ratings
  - Plant Pigments And Photosynthesis Lab Report and Bestseller Lists

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

## **Plant Pigments And Photosynthesis Lab Report Introduction**

In today's digital age, the availability of Plant Pigments And Photosynthesis Lab Report books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Plant Pigments And Photosynthesis Lab Report books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Plant Pigments And Photosynthesis Lab Report books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Plant Pigments And Photosynthesis Lab Report versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation.

Furthermore, Plant Pigments And Photosynthesis Lab Report books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Plant Pigments And Photosynthesis Lab Report books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for Plant Pigments And Photosynthesis Lab Report books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open

Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Plant Pigments And Photosynthesis Lab Report books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Plant Pigments And Photosynthesis Lab Report books and manuals for download and embark on your journey of knowledge?

### **FAQs About Plant Pigments And Photosynthesis Lab Report 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 web-based 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. Plant Pigments And Photosynthesis Lab Report is one of the best book in our library for free trial. We provide copy of Plant Pigments And Photosynthesis Lab Report in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Plant Pigments And Photosynthesis Lab Report. Where to download Plant Pigments And Photosynthesis Lab Report online for free? Are you looking for Plant Pigments And Photosynthesis Lab Report PDF? This is definitely going to save you time and cash in something you should think about.

---

**Find Plant Pigments And Photosynthesis Lab Report :**

*pyrox elite heater manual*

*quarter 3 test chapters 7 9 form g answers*

**pygmalion study guide questions answers**

*quality metal service center case analysis ppt*

**qdoba chicken burrito recipe**

*questce que lalexithymie psychologie clinique*

*pyc26june 2014 question paper*

*quantitative chemical analysis 8th edition by harris*

*pyrrhon ou lapparence*

~~*quality management solution manual*~~

*quality pro lawn tractor 20hp manual*

*queen of bankhead*

*quatro furnace service manual*

*quantum vehemence english edition*

*quantity surveying past question papers and memorandums n6*

**Plant Pigments And Photosynthesis Lab Report :**

*principles of composite material mechanics 4th edition ronald* - Dec 09 2021

**principles of composite material mechanics gibson solution** - Jan 10 2022

*solutions manual for mechanics of composite* - Jun 27 2023

web sep 16 2021 *solutions manual for principles of composite materials mechanics by gibson ronald f staff open library*

*solutions manual for principles of composite*

*principles of composite material mechanics 4th edition* - Aug 29 2023

web get instant access to our step by step *principles of composite material mechanics third edition solutions manual* our

*solution manuals are written by chegg experts so you*

**principles of composite material mechanics third edition** - Feb 23 2023



web abebooks com principles of composite materials mechanics second edition solutions manual dekker mechanical engineering 9781420054132 by ronald f

**principles of composite material mechanics ronald** - May 26 2023

web sep 21 2011 principles of composite material mechanics third edition ronald f gibson crc press sep 21 2011 technology engineering 683 pages principles of

**principles of composite material mechanics 4th edition gibson solutions** - Apr 13 2022

web chapters 8 10 focus on analysis of viscoelastic and dynamic behaviour analysis of fracture and mechanical testing of composites a strong feature of the book is the use of a large

solved textbook principles of composite materials chegg com - Sep 18 2022

web nov 4 2022 principles of composite material mechanics 4th edition gibson solutions manual with question and answers from chapter 1 to 10 course principles of composite material mechanics 4th edi institution principles of composite material mechanics 4th edi

**principles of composite material mechanics solutions manual** - Jan 22 2023

web expert answer for a especially orthotropic transversely isotropic material the plane strain bulk modulus  $k$  23 is an engineering constant that is defined by the stress condition

**principles of composite materials mechanics second edition** - Oct 19 2022

web bibliographic information title mechanics of composite materials solutions manual author jones r m publisher taylor francis group 1998 isbn 1560328207

*solutions manual for principles of composite material mechanics* - Apr 25 2023

web an appendix on matrix concepts and operations coverage of particle composites nanocomposites nanoenhancement of conventional fiber more principles of

**principles of composite material mechanics google books** - Mar 12 2022

web sep 21 2011 principles of composite material mechanics third edition presents a unique blend of classical and contemporary mechanics of composites technologies

solutions manual for principles of composite materials - Mar 24 2023

web showing all editions for principles of composite material mechanics solutions manual to accompany sort by format all formats 52 book 9 print book 43 ebook 9

*principles of composite material mechanics semantic scholar* - Nov 08 2021

mechanics of composite materials solutions manual - May 14 2022

web description principles of composite material mechanics covers a unique blend of classical and contemporary mechanics of composites technologies

**principles of composite material mechanics solutions manual** - Aug 17 2022

web principles of composite material mechanics fourth edition provides a solid foundation upon which students can begin work in composite materials science and engineering

*principles of composite material mechanics google books* - Feb 11 2022

principles of composite material mechanics solutions manual - Jun 15 2022

web jan 10 2018 read principles of composite material mechanics gibson solution manual by s238 on issuu and browse thousands of other publications on our platform

**principles of composite material mechanics** - Dec 21 2022

web principles of composite material mechanics third edition presents a unique blend of classical and contemporary mechanics of composites technologies while continuing to

*principles of composite material* - Jul 16 2022

web feb 10 2016 principles of composite material mechanics covers a unique blend of classical and contemporary mechanics of composites technologies it presents

*formats and editions of principles of composite material* - Nov 20 2022

web principles of composite material mechanics book read reviews from world's largest community for readers

*principles of composite material mechanics google books* - Oct 07 2021

principles of composite material mechanics third edition - Jul 28 2023

web solutions manual for principles of composite material mechanics second edition worldcat.org

**technical data sheet for all new sandero stepway dacia** - Mar 31 2022

web visit a retailer near you there are 150 nationwide dacia guides here to help when you need us quality as standard the first of 3 years 60 000 mile warranty find out more about all new dacia sandero stepway's technical specifications boot volume interior and exterior dimensions and performance

**renault sandero handbook pdf download manualslib** - Aug 16 2023

web view and download renault sandero handbook online sandero automobile pdf manual download also for 2016 sandero stepway

dacia sandero stepway renault group - Jul 03 2022

web sandero stepway to avoid or mitigate minor accidents automatic emergency braking detects collision hazards if you don't react or if you don't react quickly gearbox type manual 6 speed auto cvt manual 6 speed type of injection turbo indirect injection capacity cc 999

**renault sandero stepway owner s manual pdf for free** - Jul 15 2023

web download and view your free pdf file of the renault sandero stepway owner manual on our comprehensive online database of automotive owners manuals

dacia sandero stepway owner s and service manuals online download - Mar 11 2023

web dacia sandero stepway owner s manuals and service manuals for online browsing and download search through 422 dacia manuals online for free carmanualsonline info is the largest free online database of dacia user manuals

**user manual renault sandero stepway 2016 english 174 pages** - Sep 17 2023

web view the manual for the renault sandero stepway 2016 here for free this manual comes under the category cars and has been rated by 17 people with an average of a 9 1 this manual is available in the following languages english

dacia sandero and sandero stepway manualzz - Dec 08 2022

web model shown is a sandero stepway lauréate in cinder red introducing dacia sandero stepway all the style of a sports utility vehicle all the practicality of a family hatchback enjoy the best of both worlds with the new sandero stepway crossover its raised ride height gives you a commanding view of the road ahead

*renault sandero repair service manuals 10 pdf s* - Nov 07 2022

web updated august 23 we have 10 renault sandero manuals covering a total of 7 years of production in the table below you can see 0 sandero workshop manuals 0 sandero owners manuals and 9 miscellaneous renault sandero downloads our most popular manual is the renault sandero owners manual 2011 2011

*user manual dacia sandero 2021 english 238 pages* - Apr 12 2023

web view the manual for the dacia sandero 2021 here for free this manual comes under the category cars and has been rated by 9 people with an average of a 9 3 this manual is available in the following languages english do you have a question about the dacia sandero 2021 or do you need help ask your question here

**english owner manuals new sandero etc uk dacia forum** - Jun 02 2022

web feb 25 2022 but the manual for the car shows the old dial system of instruments and not the new electronic one sadly not to worry the possibility of dacia having changed the instrument panel already is slim to none i just opened the link to verify the uploaded manual is for the new series sandero i opened it and it is

*dacia sandero owner s manual manual directory* - Oct 18 2023

web you can find 15 different owner s manuals for the dacia sandero on this page that are in the pdf format yearly sandero

owner s manuals the years available stretch from 2010 through to 2024 and to view the manual you just click the name underneath

*user manual dacia sandero 2022 english 238 pages* - Jun 14 2023

web view the manual for the dacia sandero 2022 here for free this manual comes under the category cars and has been rated by 25 people with an average of a 8 9 this manual is available in the following languages english

**dacia sandero stepway user manual manualmachine com** - Jan 09 2023

web view and download dacia sandero stepway instruction manual online

renault sandero stepway procarmanuals com - Aug 04 2022

web at our website you can access your free pdf file of the renault sandero stepway owner manual anytime anywhere plus our user friendly interface makes it easy to find what you re looking for simply search for the manual by make model and year and download the pdf file instantly so whether you re an experienced driver or just starting

dacia service repair manual free download pdf - May 01 2022

web dacia sandero stepway 5 door hatchback class b restyled version of the second generation of off road version of the model sandero the world premiere of the car took place at the 2016 paris motor show

**renault sandero owner s manual pdf download manualslib** - May 13 2023

web view and download renault sandero owner s manual online sandero automobile pdf manual download

**dacia sandero stepway owners manual issuu** - Feb 27 2022

web jul 11 2017 get dacia sandero stepway owners manual pdf file for free from our online library dacia sandero stepway owners manual smvlpimpcz pdf 49 pages 255 29 kb 24 aug 2016

renault 2016 sandero stepway manuals manualslib - Feb 10 2023

web we have 1 renault 2016 sandero stepway manual available for free pdf download handbook renault 2016 sandero stepway handbook 183 pages brand renault category automobile size 7 29 mb table of contents section 1 getting to know your vehicle 7 driving 3 table of contents 7 keys radio frequency remote control general

*user manual dacia sandero 2017 english 238 pages* - Sep 05 2022

web the dacia sandero 2017 is a compact car that comes with a petrol or diesel engine it has five doors and can seat up to five passengers the interior is basic but functional and has manual air conditioning electric front windows and a 12 volt power socket the car also has a 7 inch touchscreen media system that includes bluetooth

**sandero stepway handover information dacia owners dacia** - Oct 06 2022

web to support you in the collection of your sandero stepway we have produced the following handover video guide to help you familiarise yourself with the key features

[free ravan samhita pdf in hindi pdf scribd](#) - Mar 07 2022

web free ravan samhita pdf in hindi download free ravan samhita pdf in hindi fravana iast rvaa r v n sanskrit 1 is the primary antagonist in the hindu epic ramayana where he is depicted as the ravan samhita pdf in hindi free download ravan samhita free download in hindi ravan samhita pdf in hindi ravan samhita pdf in hindi

**2017 ravan samhita kisanlal sharma free download** - May 21 2023

web 2017 ravan samhita by kisanlal sharma publication date 2017 topics [ravan indian philosophy hindu philosophy hindu religious texts hindu literature veda upanishad collection wisdom of guru additional collections](#)

[ravan samhita shiv puja youtube](#) - Jun 10 2022

web jun 5 2020 2 5k share 187k views 3 years ago shivmantra raavan ravan raavan samhita raavan samhita shiv puja tantra sadhana with mantra prayog vidhi book shelf purchase link

[ravana samhita exotic india art](#) - Jan 05 2022

web [ancient ravana samhita by pt shivkant jha 51 free delivery](#)

**ravan samhita asli pracheen by pt kishan lal sharma manoj** - Jan 17 2023

web may 27 2022 ravan samhita asli pracheen by pt kishan lal sharma manoj publications delhi manoj publications delhi free download borrow and streaming internet archive ravan samhita asli pracheen by pt kishan lal sharma manoj publications delhi by

[ravan samhita the biggest edition ever](#) - Jul 11 2022

web widely known as the antagonist from the hindu epic of ramayana there is a ravana beyond the common knowledge the asura king was among the most learned of his times his ten heads represent the knowledge of four vedas and six shastras he held a major devotee to lord shiva the ravana samhita was composed by him who engulfs the

[asli prachin ravan samhita](#) - Aug 12 2022

web to download asli prachin ravan samhita hindi book in just single click for free simply click on the download button provided below download pdf 11 mb

**ravan samhita hindi pdf pdf online sanskrit** - Feb 18 2023

web ravan samhita hindi pdf pdf categories astrology hindi ravan samhita hindi pdf pdf pdf category samhita size 10 8mb pages 734 download pdf source

[ravan samhita pdf download in hindi ravan samhita hindi](#) - Sep 13 2022

web ravan samhita in hindi ravan samhita benefits in hindi [download ravan samhita](#)

**ravan samhita pdf in hindi** - Aug 24 2023

web feb 14 2023 रविवार 14 फरवरी 2023 रवन समहिता pdf in hindi february 14 2023 hindi books pdf religious general by kumar pdf quick download link is given at the bottom of this article

ravan samhita ॥ ॥ ॥ ॥ ॥ acharya pt shivkant jha free - Jul 23 2023

web may 27 2020 by acharya pt shivkant jha topics ravan samhita धर्म धर्म धर्म dharma books hinduism books hinduism literature literature dharma texts additional collections sanatan dharma texts ravan samhita धर्म धर्म धर्म hindi edition sanskrit saahitya hindu bharat lanka ravan jyotish ayurveda mantra

1 all hindi books - Apr 20 2023

web jan 10 2021 download ravan samhita part 1 download ravan samhita part 2 download ravan  
samhita part 3 download ravan samhita part 4 download ravan samhita part 5

pdf sampurna ravan samhita pdf free download - Mar 19 2023

web pdf sampurna ravan samhita pdf free download title रविवंश पर्व page 829 file size 173 mb category religion  
language hindi download part 1 part 2 part 3 part 4 part 5 for support contact motivationalstoriesinhindi in 00 000 0 0 00  
0 0 0 0 0000 000 000 00 0 00 0 0 0 00 0 0 0 0 00 00 0 0

amazon in ravan samhita - Feb 06 2022

web jan 1 2010 tantratmak ravan samhita in 4 vols full details sanskrit to hindi explanations library collection original text  
hindi edition by tantrasadhak prem kumar sharma 1 january 2021 5 0 out of 5 stars 1

ravan samhita 4 free download borrow and streaming - Dec 16 2022

web feb 14 2021 ravan samhita addeddate 2021 02 14 19 50 15 identifier ravan samhita 4 identifier ark ark 13960  
t0ps7z40z ocr tesseraact 4 1 1

**rawan sanhita mantra** □ □□ □□ □ □ □□ □□ □ □ □□ □ □ □□ □ - Nov 15 2022

web oct 4 2022 ravan sahita pdf रवण साहित्य रवन सम्विता रवण संहिता रवन सहित इन हिन्दी

---

*ravan samhita*pdf pdf scribd - May 09 2022

web download free ravan samhita pdf in hindi fravana iast rāvaṇa ' r ṁ: v ə n ə sanskrit र 1 is the primary antagonist in the hindu epic ramayana where he is depicted as the ravan samhita pdf in hindi free download ravan samhita free download in hindi ravan sanhita pdf in hindi ravan sanhita pdf in hindi

**ravan samhita book in hindi free download pdf pdf scribd - Apr 08 2022**

web to download ravan samhita book click on the download button bhrigu samhita phalit prakash bhrigu samhita hindi book  
free download free hindi books ravan sanhita download ravan sanhita download in hindi ravan

ravan samhita book part 1 pdf hindi instapdf - Oct 14 2022

web रविवर १० नवम्बर २०१७ १३:५४ ravan samhita in hindi