#### SUBJECT: MATHEMATICS CLASS: IX

MAX. MARKS: 80 DURATION: 3 HRS

#### General Instruction:

(i) All questions are compulsory.

(ii) This question paper contains 30 questions divided into four Sections A, B, C and D.

(iii) Section A comprises of 6 questions of 1 mark each. Section B comprises of 6 questions of 2 marks each. Section C comprises of 10 questions of 3 marks each and Section D comprises of 8 questions of 4 marks each.

(iv) There is no overall choice. However, an internal choice has been provided in two questions in 1 mark each, two questions in 2 marks each, four questions of 3 marks each and three questions of 4 marks each. You have to attempt only one of the alternatives in all such questions. (v) Use of Calculators is not permitted

## SECTION - A Questions 1 to 6 carry 1 mark each.

Find the total surface area of a hemisphere of radius 10 cm. (Use π = 3.14)

Find the height of cone, if its slant height is 34 cm and base diameter is 32 cm.

- If the point (3, 4) lies on the graph of the equation 3y = ax + 7, find the value of a.
- 3. Simplify:  $\frac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$

OB

Find the value of  $\sqrt{3^{-2}}$ .

- 4. In a bag, there are 100 bulbs out of which 30 are defective ones. A bulb is taken out of the bag at random. Find the probability of the selected bulb to be a good one.
- If its perimeter of an equilateral triangle is 180 cm, what will be its area?
- In the below figure. ∠ABC = 69°. ∠ACB = 31°. find ∠BDC.



#### SECTION – B

#### Questions 6 to 12 carry 2 marks each.

7. A river 3 m deep and 40 m wide is flowing at the rate of 2 km per hour. How much water will fall into the sea in a minute?

## **Solved Question Paper Class 9 Cbse Sa2**

**M** Lipman

**Solved Question Paper Class 9 Cbse Sa2:** 

Yeah, reviewing a books **Solved Question Paper Class 9 Cbse Sa2** could build up your close links listings. This is just one of the solutions for you to be successful. As understood, exploit does not recommend that you have fabulous points.

Comprehending as well as harmony even more than extra will have the funds for each success. bordering to, the pronouncement as competently as perspicacity of this Solved Question Paper Class 9 Cbse Sa2 can be taken as skillfully as picked to act.

 $\underline{https://about.livewellcolorado.org/About/detail/HomePages/Weight\%20Watchers\%20Ginger\%20Scallop\%20Recipe.pdf}$ 

#### **Table of Contents Solved Question Paper Class 9 Cbse Sa2**

- 1. Understanding the eBook Solved Question Paper Class 9 Cbse Sa2
  - The Rise of Digital Reading Solved Question Paper Class 9 Cbse Sa2
  - Advantages of eBooks Over Traditional Books
- 2. Identifying Solved Question Paper Class 9 Cbse Sa2
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - $\circ\,$  Features to Look for in an Solved Question Paper Class 9 Cbse Sa2
  - User-Friendly Interface
- 4. Exploring eBook Recommendations from Solved Question Paper Class 9 Cbse Sa2
  - Personalized Recommendations
  - Solved Question Paper Class 9 Cbse Sa2 User Reviews and Ratings
  - Solved Question Paper Class 9 Cbse Sa2 and Bestseller Lists
- 5. Accessing Solved Question Paper Class 9 Cbse Sa2 Free and Paid eBooks
  - Solved Question Paper Class 9 Cbse Sa2 Public Domain eBooks

- Solved Question Paper Class 9 Cbse Sa2 eBook Subscription Services
- Solved Question Paper Class 9 Cbse Sa2 Budget-Friendly Options
- 6. Navigating Solved Question Paper Class 9 Cbse Sa2 eBook Formats
  - ∘ ePub, PDF, MOBI, and More
  - Solved Question Paper Class 9 Cbse Sa2 Compatibility with Devices
  - Solved Question Paper Class 9 Cbse Sa2 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Solved Question Paper Class 9 Cbse Sa2
  - Highlighting and Note-Taking Solved Question Paper Class 9 Cbse Sa2
  - Interactive Elements Solved Question Paper Class 9 Cbse Sa2
- 8. Staying Engaged with Solved Question Paper Class 9 Cbse Sa2
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Solved Question Paper Class 9 Cbse Sa2
- 9. Balancing eBooks and Physical Books Solved Question Paper Class 9 Cbse Sa2
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Solved Question Paper Class 9 Cbse Sa2
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Solved Question Paper Class 9 Cbse Sa2
  - $\circ\,$  Setting Reading Goals Solved Question Paper Class 9 Cbse Sa2
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Solved Question Paper Class 9 Cbse Sa2
  - Fact-Checking eBook Content of Solved Question Paper Class 9 Cbse Sa2
  - 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

#### **Solved Question Paper Class 9 Cbse Sa2 Introduction**

In todays digital age, the availability of Solved Question Paper Class 9 Cbse Sa2 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 Solved Question Paper Class 9 Cbse Sa2 books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Solved Question Paper Class 9 Cbse Sa2 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 Solved Question Paper Class 9 Cbse Sa2 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, Solved Question Paper Class 9 Cbse Sa2 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 youre 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 Solved Question Paper Class 9 Cbse Sa2 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 Solved Question Paper Class 9 Cbse Sa2 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, Solved Question Paper Class 9 Cbse Sa2 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 Solved Question Paper Class 9 Cbse Sa2 books and manuals for download and embark on your journey of knowledge?

#### **FAQs About Solved Question Paper Class 9 Cbse Sa2 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. Solved Question Paper Class 9 Cbse Sa2 is one of the best book in our library for free trial. We provide copy of Solved Question Paper Class 9 Cbse Sa2 in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Solved Question Paper Class 9 Cbse Sa2. Where to download Solved Question Paper Class 9 Cbse Sa2 online for free? Are you looking for Solved Question Paper Class 9 Cbse Sa2 PDF? This is definitely going to save you time and cash in something you should think about.

#### Find Solved Question Paper Class 9 Cbse Sa2:

weight watchers ginger scallop recipe

#### web form design filling in the blanks luke wroblewski

weedeater 11 in electric line trimmer manual weinig profimat p23 moulder manual

weather report fullerton ca

weber 32 icev workshop manual

# weider pro 4300 assembly manual weight watchers recipe books with points

weekend learning islamic studies weather journal template for kids web atis tech manual

#### we the people textbook website

weather report in geneva weed eater gbi 20 manual weider weight training manual

#### **Solved Question Paper Class 9 Cbse Sa2:**

#### **5 7 bone classification medicine libretexts** - May 16 2023

web table pageindex 1 bone classifications bone classification features function s examples long cylinder like shape longer than it is wide leverage femur tibia fibula metatarsals humerus ulna radius metacarpals phalanges short cube like shape approximately equal in length width and thickness

 $6\ 2\ bone\ classification\ introduction\ to\ human\ biology$  - Feb 13 2023

web bones can be classified according to their shapes long bones such as the femur are longer than they are wide short bones such as the carpals are approximately equal in length width and thickness flat bones are thin but are often curved such as the ribs irregular bones such as those of the face have no characteristic shape

#### 6 2 bone classification humanities libretexts - Jan 12 2023

web table of contents long bones short bones flat bones irregular bones sesamoid bones learning objectives classify bones according to their shapes describe the function of each category of bones the 206 bones that compose the adult skeleton are

divided into five categories based on their shapes figure 6 6

#### the four types of bone verywell health - Apr 03 2022

web aug 7 2023 it provides the foundation to which other structures cling and helps to create our shape all 206 of the bones of the skeleton can be categorized into four types long short flat and irregular each type of bone serves a particular purpose and some types have more than one function ledwell getty images

#### bone classification anatomy and physiology i lumen learning - Sep 08 2022

web learning objectives classify bones according to their shapes describe the function of each category of bones the 206 bones that compose the adult skeleton are divided into five categories based on their shapes figure 1 their shapes and their functions are related such that each categorical shape of bone has a distinct function figure 1

bone coloring answer key and coloring sample the biology - Aug 19 2023

web bone coloring answer key and coloring sample anatomy of a bone coloring key epiphysis a at the ends of the bone do not color the epiphysis has a thin layer of compact bone while internally the bone is cancellous the epiphysis is capped with articular cartilage epiphysial line j purple

### activity 2f bone perspectives bone classification - Jul 18 2023

web sep 2 2014 bone classification color key short bones flat bones irregular bones 2001 uthscsa positively aging a trade mark of the university of texas health science center at san antonio 12 22

#### bone classification coloring activity aurum science - Jun 17 2023

web this activity gives students a comple skeleton which they have to color code based on the four major types of bones short bones long bones flat bones and irregular bones essential concepts bone classification short bones long

6~2~bone~classification~anatomy~physiology - Oct 21 2023

web bones can be classified according to their shapes long bones such as the femur are longer than they are wide short bones such as the carpals are approximately equal in length width and thickness flat bones are thin but are often curved such as the ribs irregular bones such as those of the face have no characteristic shape

#### **9 3 bone classification biology libretexts** - Nov 10 2022

web table 1 bone classifications bone classification features function s examples long cylinder like shape longer than it is wide leverage femur tibia fibula metatarsals humerus ulna radius metacarpals phalanges short cube like shape approximately equal in length width and thickness provide stability support while allowing

#### 6 3 bone classification medicine libretexts - Apr 15 2023

web classify bones according to their shapes describe the function of each category of bones the 206 bones that compose the adult skeleton are divided into five categories based on their shapes figure 6 3 1 their shapes and their functions are related

such that each categorical shape of bone has a distinct function

#### bone classification color key orientation sutd edu - Mar 02 2022

web bone classification color key tim white and pieter folkens s the human bone manual is a terrific addition to the tool kit of osteologists and archaeologists the book concise tightly written and rich in photographic detail will be the standard human identification reference for generations to come

6 2 bone classification anatomy and physiology 2e openstax - Sep 20 2023

web highlights learning objectives by the end of this section you will be able to classify bones according to their shapes describe the function of each category of bones the 206 bones that compose the adult skeleton are divided into five categories based on their shapes figure 6 6

bone classification on the skeleton below classify chegg com - May 04 2022

web expert answer transcribed image text bone classification on the skeleton below classify the bones of the body using a color coding system complete the color key by assigning a color to represent the long bones another color to represent the short bones one for the flat bones and one for the irregular bones use the key to color the skeleton

#### anatomy of the bone johns hopkins medicine - Aug 07 2022

web what is bone bone is living tissue that makes up the body s skeleton there are 3 types of bone tissue including the following compact tissue the harder outer tissue of bones cancellous tissue the sponge like tissue inside bones subchondral tissue the smooth tissue at the ends of bones which is covered with another type of tissue

#### bone classification anatomy physiology uh pressbooks - Mar 14 2023

web openstaxcollege learning objectives by the end of this section you will be able to classify bones according to their shapes describe the function of each category of bones the 206 bones that compose the adult skeleton are divided into five categories based on their shapes link

bone classification and coloring studylib net - Jun 05 2022

web bone classification and coloring advertisement name class date types of bones diagram color code each of the four types of bones long short flat irregular on the skeleton below fill out the key at the bottom

classification of bones coloring page by the purposeful - Oct 09 2022

web classification of bones coloring page by the purposeful pedagogy 4 7 8 ratings grade levels 5th 12th subjects anatomy career and technical education health resource type worksheets activities formats included pdf pages 2 pages 2 00 report this resource to tpt the purposeful pedagogy 1 8k followers follow

#### bones anatomy function types and clinical aspects kenhub - Jul 06 2022

web oct 30 2023 radius 1 2 synonyms radial bone bones make up the skeletal system of the human bod y the adult human

has two hundred and six bones there are several types of bones that are grouped together due to their general features such as shape placement and additional properties

10 2 bone classification fundamentals of anatomy and - Dec 11 2022

web fundamentals of anatomy and physiology 10 2 bone classification learning objectives by the end of this section you will be able to classify bones according to their shapes describe the function of each category of bones the 206 bones that compose the adult skeleton are divided into five categories based on their shapes figure 10 2 1

#### board review series neuroanatomy djvu 156m6nug7f28 e - Jul 03 2022

web download pdf board review series neuroanatomy djvu 156m6nug7f28 marshall university huntington west virginia second edition of an outline of neuroanatomy with

#### brs neuroanatomy board review series amazon com - Sep 17 2023

web sep 14 2013 brs neuroanatomy fifth edition is a concise review of medical human neuroanatomy for course and licensing exams including the usmle and features more than 600 board style review questions with explanations

### board review series neuroanatomy by james d fix - Sep 05 2022

web board review series neuroanatomy djvu 156m6nug7f28 marshall university huntington west virginia second edition of an outline of neuroanatomy with 500

brs neuroanatomy board review series 6th edition - Dec 08 2022

web board review series ready to wrap up you will find the high yield topics in neuroscience and clinical neurology that will make you flawlessly think like a real neurologist

#### board re series neuroanatomy 50storiesfortomorrow ilfu com - Mar 11 2023

web oct 16 2021 brs neuroanatomy board review series part of board review 21 books by dr douglas j gould phd jul 9 2019 68

#### board review dr neurocole - Oct 06 2022

web panel tarİhİ panel saatİ konu konuŞmaci serebrovaskÜler hastaliklar nÖroradyolojİ ve gİrİŞİmsel nÖrolojİ 9 14 2020 19 00 serebrovasküler

brs neuroanatomy board review series amazon com - Jul 15 2023

web jan 1 2009 brs neuroanatomy board review series 4th forth edition james d fix on amazon com free shipping on qualifying offers

amazon com board review series neuroscience neurology - Jan 09 2023

web eski sınav soru ve cevapları türk nöroloji derneği yeterlik kurulu İç yönergesi nöroloji uzmanlığı yeterlik board yazılı sınavı açıklamaları tnd 2004 yeterlilik yazılı sınavı

brs neuroanatomy lww - Aug 16 2023

web daptomycin induced pulmonary toxicity a case series cureus distributed harmonic patterns of structure function dependence nature com once forgotten now re

panel tarİhİ panel saatİ norolojİ - Aug 04 2022

web may 3 2018 background the aim of this review was to identify studies exploring neuroanatomy teaching tools and their impact in learning as a basis towards the

#### eski sınav soru ve cevapları türk nöroloji derneği - Nov 07 2022

web board review series neuroanatomy james d fix additional information weight 0 600 kg reviews 0 reviews there are no reviews yet be the first to review board review

#### neurosurgery board reviews 2023 cmelist - Jan 29 2022

web İç mekan tas böl 59 aile ve tüketici bilimleri alanı bölümü 51 anestezi ve reanimasyon alanı bölümü 37 ayakkabı ve saraciye teknolojisi alanı bölümü 30

pdf download brs neuroanatomy board review series full - Mar 31 2022

web cmelist inc lists the most comprehensive cme activities including board reviews conferences journal summaries lectures and other activities that can be completed for

#### tools and resources for neuroanatomy education a systematic - Jun 02 2022

web feb 7 2020 brs neuroanatomy fifth edition is a concise review of medical human neuroanatomy for course and licensing exams including the usmle and features

neuroanatomy 5e board review series health library - Apr 12 2023

web brs neuroanatomy board review series 6th edition anatomy neurology neurosurgery oct 042021 this powerful easy to use resource presents the

download pdf board review series neuroanatomy djvu - May 01 2022

web board re series neuroanatomy this is likewise one of the factors by obtaining the soft documents of this board re series neuroanatomy by online you might not require

board re series neuroanatomy 50storiesfortomorrow ilfu com - Feb 27 2022

web jul 30 2023 board review series neuroanatomy 2 9 downloaded from uniport edu ng on july 30 2023 by guest system sense organs diagnostic final examination

board review series neuroanatomy uniport edu ng - Dec 28 2021

web board review series showing 1 19 of 19 items filter clear all book brs cell biology and histology october 1 2024 edition 9 usd 59 99 add to cart instant checkout

#### board review series wolters kluwer lww - Oct 26 2021

#### brs neuroanatomy board review series 6th edition - Feb 10 2023

web this powerful easy to use resource presents the essentials of neuroanatomy in the popular board review series outline format that highlights the most tested topics for the usmle

anestezi ve reanimasyon alanı bölümü yazılı soruları - Nov 26 2021

brs neuroanatomy board review series 4th forth - May 13 2023

web board re series neuroanatomy board re series neuroanatomy 2 downloaded from 50storiesfortomorrow ilfu com on 2019 06 14 by guest the process creates

board re series neuroanatomy oldcove com - Jun 14 2023

web what content would you like to see added limited to 1 000 characters 1000 characters left

#### the rio grande comprehension passages uniport edu - Jan 27 2022

web mar 18 2023 grande comprehension passages hence simple manual of style governing composition and proof reading in the government printing office together

reading comprehension assessment pdf rio - Apr 10 2023

web answer answered reading comprehension directions read the passage then answer the questions below the rio grande although not the longest river in america the rio

english home work 12 comprehension - Feb 25 2022

web you to look guide the rio grande comprehension passages as you such as by searching the title publisher or authors of guide you in point of fact want you can discover them

#### the rio grande comprehension passages domainlookup - Oct 24 2021

web the passage describes the amount of water in the rio grande going down in paragraph 5 not paragraph 3 this means that the sentence in question does not describe the water

rio grande geography read for comprehension for students pdf - Nov 05 2022

web a leading website for english education high quality english worksheets on reading comprehension parts of speech spelling matching vocabulary synonyms and

#### the rio grande comprehension passages pdf uniport edu - Feb 08 2023

web the rio grande comprehension passages 1 the rio grande comprehension passages the rio grande comprehension passages downloaded from

### the rio grande free sample read theory workbooks - Sep 22 2021

where to download the rio grande comprehension passages - May 31 2022

web jun 6 2023 in certain scenarios you also succeed not explore the periodical the rio grande comprehension passages that you are looking for the rio grande

view pdf englishforeveryone org - Oct 04 2022

web look guide the rio grande comprehension passages as you such as by searching the title publisher or authors of guide you in fact want you can discover them rapidly in the

readtheory englishforeveryone org - Aug 14 2023

web rio grande geography the rio grande is either the fourth or fifth longest river sys tem in north america it all depends on how it is measured because the river twists so much it

the rio grande comprehension passages - Sep 03 2022

web 2 the rio grande comprehension passages 2023 01 07 integrated reasoning chapter with details about the new gmat exam section a 100 question diagnostic exam to help

the rio grande comprehension passages htaccess guide - Dec 26 2021

web net connections if you seek to download and install the tree rio grande comprehension passages it is very easy then past currently we extend the connect to buy and make

the rio grande comprehension passages jeroone com - Nov 24 2021

web apr 1 2023 the rio grande comprehension passages recognizing the exaggeration ways to get this books the rio grande comprehension passages is additionally

the rio grande comprehension passages mail4 bec systems - Aug 02 2022

web the rio grande comprehension passages 5 5 this series ensures that students learn necessary reading skills by offering a variety of texts combined with targeted lessons to

#### reading comprehension practice english quizizz - May 11 2023

web reading comprehension assessment directions read the passages then answer the questions that follow 1 summer rain the worst days of any summer are the rainy

the rio grande comprehension passages bk swordsswords com - Jul 01 2022

web jul 14 2023 the rio grande comprehension passages is available in our digital library an online access to it is set as public so you can get it instantly our book servers spans

reading comprehension brainly com - Mar 09 2023

web mar 14 2023 the rio grande comprehension passages 2 7 downloaded from uniport edu ng on march 14 2023 by guest organized by difficulty level easy medium

reading comprehension the rio grande docx passage and - Jul 13 2023

web then answer the questions below the rio grande although not the longest river in america the rio grande is one of the most important but unlike other significant

the rio grande comprehension passages pdf 2023 - Dec 06 2022

web reading for comprehension teaching students to read and think critically rio grande geography although not the longest river in america the rio grande is one of the most

quia the rio grande reading comprehension - Jun 12 2023

web the author adds that it is the official border of texas and mexico this implies that its location as the border of mexico and texas is what makes the rio grande so important

the rio grande comprehension passages secure4 khronos - Apr 29 2022

web the rio grande comprehension passages downloaded from old talentsprint com by guest lizeth julian congressional record john wiley sons maud english simon

the rio grande comprehension passages old talentsprint com - Mar 29 2022

web comprehension i read the passage given below and answer the questions that follow 1 the rio grande although not the longest river in america the rio grande is one of

#### the rio grande comprehension passages - Jan 07 2023

web mar 31 2023 grande comprehension passages pdf and numerous books collections from fictions to scientific research in any way accompanied by them is this the rio