Revised

KNOWLEDGE WORLD

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Book 7

MARINA PUBLICATIONS PVT. LTD.

Knowledge World

Publisher :

MARINA PUBLICATIONS PVT. LTD.

Administrative Office :
4/37 Site-2, UPSIDC Industrial Area,
Ajanta Compound, Loni Road, Mohan Nagar, Sahibabad, Ghaziabad-201007
Delhi NCR • Mob. : 8130194610 • Telefax : 0120-2658017

Registered Office :
D 53/83, Luxa Road
Varanasi-221010 • Telefax : 0542-2371238
E-mail : info@marinapublications.com
Website : www.marinapublications.com

KOLKATA :
20A, Brindaban Mallick Lane
Hrishikesh Park, Amherst Street
Kolkata-700009 • Ph : 9433007143

LUCKNOW :
177/69, Pul Jhau Lal, Gwynne Road, Aminabad
Lucknow-226018 • Telefax : 0522-2231483

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P.O. Rehabari, Guwahati-781008
Mob. : 09971604822

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First Edition : 2010, Reprint : 2011, Revised Edition : 2012
Reprint : 2013, Revised Edition : 2014, 2015, 2016
Reprint : 2017, Revised Edition : 2018, Reprint : 2019, 2020

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Jamshedji Tata is considered to be the path-finder of modern industrial builders. He is known as the grandfather of Indian industry for his acumen and enthusiasm. Nobody else could have thought of the new industries started by Jamshedji at that time when industrial awakening and revolution was yet to come to India.

Jamshedji's father, Nusserwanji Tata, traded in jute with China and Britain. He started export from India. Jamshedji started a cloth mill in Nagpur more than hundred years ago. At that time almost all the cloth came from Lancashire in England. What Jamshedji did was praiseworthy.

Jamshedji knew very well that an industrial revolution in the country can only be brought by setting up iron and steel industry. Although he did not live to see the industry he had in mind, he did all preliminary work. In fact, he laid about the ground work for it. He had planned the entire steel city, now known as Jamshedpur, with streets, roads, schools, parks, playgrounds, temples, mosques, churches, etc. His dream was fulfilled by his sons, Sir Dorabji Tata and Sir Rattan Tata, when they started the Tata Iron & Steel Factory in 1907 just after three years of his death.

Tata knew that education about science was necessary for strengthening the roots of Indian industry. He established the Indian Institute of Science (IISc) at Bangalore. The hydro-electric project at Bombay is an example of his foresightedness. The Taj Hotel in Bombay was also built by Tata, which ranks as one of the best hotels in the world.



Preface

The present age is the age of stiff competition. There is competition in every sphere of life. Today, a student's intellectual worth is judged not just by the marks he/she obtains in the school examinations but also how he/she fares in general knowledge and intelligence tests. In fact, the subject of General Knowledge has acquired a prominent place in the curriculum of the modern school education. Higher education students and job seekers have to face various General Knowledge (G.K.) and Intelligence Quotient (I.Q.) tests at the time of entrance examinations and interviews. This is proof of the ever increasing importance of General Knowledge as a subject.

The book in your hands **Knowledge World** is a series of nine books on General Knowledge for students of Kindergarten to Class VIII. All the books have been written by subject experts and aim to enhance general knowledge, general awareness and IQ of the students. There is a wide variety of materials presented in this series. It also contains lessons on life skills and values which is in accordance with the latest school education syllabus. However, care has been taken that the material is level specific.

Through this series of books, the students will discover the mysteries and wonders of nature, sports, arts and culture, achievements of men and women in various fields and so on.

The other salient features of the series are as follows:

- The language used is simple and within the approach of the students.
- Clues have been provided so that the students find it easier to answer.
- Different questioning patterns have been used to break monotony and stir up the mind of the students.
- The 'Know more' section provides curious information.
- Each of the books has been divided into different units.
- Colourful illustrations provide a strong visual appeal.

We sincerely hope that the books will be immensely helpful for the students and teachers alike. We look forward to your valuable comments and suggestions.

—Publishers

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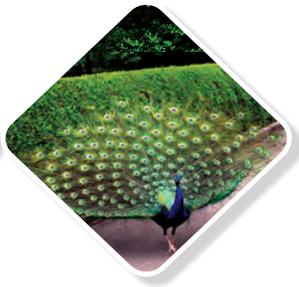

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Target

The World Around Us

comprises a wide array of topics related to plants, animals and birds.

Some animals hibernate. Hibernation is an extended period of deep sleep that allows these animals to survive extreme cold. Not just winters, extreme heat can also make some animals to hibernate.

Read the description and name the hibernating animals with the help of the pictures.


African lungfish


European hedgehog


Dormouse


Mouse lemur

1. Its name means 'sleep mouse'. It curls up in its nest to preserve body heat and goes into a deep sleep. From time to time, it wakes up to eat, drink and perform other body functions.

The World of Books

this section unveils the rich age appropriate world of literature.

India produced many great writers who left an impression on the whole generation and even inspired the coming generations by their writing.

Read the description and name the writers. Take help from the given clues.

1. 

He was one of the greatest novelists and poets of India. He wrote Vande Mataram, the national song of India.

2. 

He was one of the greatest literary figures of modern Hindi literature. His stories vividly portray the social scenario of his time.

India Unlimited

this unit will enrich the young minds with important facts related to incredible India

India is a land of forts and other monuments. These architectural wonders give a glimpse of India's rich history.

Read the description and name the forts. Take help from the given clues.

1. This red sandstone fort was built in the 17th century and represents the pinnacle of Mughal architecture. It is an iconic symbol of India.





2. This fort is one of the most visited and beguiling of Jaipur forts. It is situated in a serene backdrop of the Aravalli Hills.

Art and Culture

this section includes topics related to art and culture around the world.

People around the world wear certain traditional dresses according to their geographical location. Given below are some pictures and clues of such dresses.

Identify them and write the name in the space provided.

1. 

It is a hat of felt having broad brim. It is worn to protect eyes from the sun. It is seen in Mexico.

2. 

The people of Scotland wear a knee-length skirt made from pleated tartan wool.

3. 

It is a Persian dress worn by men. It is a cotton or silk cloak with full sleeves.

Life Skills & Values

this unit aims at developing the social, emotional skills & values in young learners.

Road safety is a result of contributions from all the sectors of the society, both civilians and government officials.

Read the statements given below and put a tick (✓) or cross (×) against them.

1. We should use mobile phone while driving.
2. One should never drink and drive.
3. We should always adhere to speed limits.



There are many Bollywood stars who do social service. Many of them go out of their a cause and make a difference in the world.

Read the description and name the Bollywood stars.







1. She is a devoted social activist who has raised her voice on different issues. Her main area of activism is for child and women's rights apart from fighting the stigma and injustice associated with AIDS. She has also advocated the cause of slum dwellers, displaced Kashmiri Pandit migrants and victims of the earthquake at Latur (Maharashtra) in the past. She has been appointed as the Goodwill Ambassador of the UNPF.

The Magic of Words

this section intends to increase the word power in the young learners.

Abbreviations are short forms of words or phrases. They are generally the initial alphabets.

Write the full forms of the abbreviations and the abbreviated forms of the phrases given below.

1.	AAI	
2.	AIR	
3.	BCCI	
4.		Central Bureau of Investigation
5.		Central Board of Secondary Education
6.	CPWD	
7.	DRDO	

Young Scientist

this section familiarises the young learners about the scientists and their inventions.

Today, thousands of lives get saved across the world because of the amazing devices that make diagnosis and treatment easier and quicker. In fact, modern doctors depend a lot on these lifesaving devices.

Read the description and name the machines. Take help from the given clues.

1. In 1895, a German scientist Wilhelm Roentgen discovered X-rays. Doctors started using the X-rays within a few months. This machine uses X-rays for internal diagnosis of human body.





2. This machine purifies blood for the patients who cannot normally remove the blood urea through urine because of kidney failure.

Around the World

this section will take the young learners across the world and their landmarks.

A parliament is a legislature in those countries where the democratic system of government prevails. The name is derived from the French word 'parlement' which originally meant 'talk, consultation, conference'. The term emerged to mean 'a meeting at which such a discussion took place'.

Name these parliaments. Take help from the given clues.

1. India



2. Nepal



3. Denmark



Playing the Game

this section includes topics different sports, sports goods, famous sports personalities.

Humans invented indoor games thousands of years ago to entertain themselves at their homes. These games are played in family or social situations.

Read the description and name the indoor games. Take help from the given clues.

1. It is a group of abstract strategy board games between two players which involve diagonal moves of uniform game pieces and mandatory captures by jumping over the opponent's pieces.





2. It is one of the oldest board games for two players. The playing pieces are moved according to the roll of dice, and a player wins by removing all of his pieces from the board before his opponent.

Go Green

this section aims to develop awareness for a sustainable environment.

The demand for water and energy continues to grow. Simultaneously, the days of seemingly endless supplies of clean water and abundant cheap energy are over. So the need of the hour is to make changes in lifestyle and work collectively to ensure that these precious resources are conserved.

A. Tick (✓) the statements that describe how you and your family save water.

1. Check all faucets, pipes and toilets for leakage.
2. Turn off the water while brushing your teeth or shaving.
3. Rinse vegetables in a full sink or pan of water.
4. Rinse dishes in a full sink or pan of water.
5. Water your garden early in the morning or late in the evening.



Current Affairs & Answer

this section will update the young learners with their immediate present. A handy resource for both the teacher and the taught.

Sports Events



April 1, 2019 – Saurav Ghosal became the first Indian male squash player to enter the top 10 in the latest Professional Squash Association (PSA) world rankings.



October 23, 2019 – Sourav Ganguly has become the 39th President of the Board of Control for Cricket in India (BCCI).

Answers

Page-21 1. Red Fort 2. Amber Fort 3. Agra Fort 4. Jaisalmer Fort 5. Daulatabad Fort 6. Golconda Fort

Page-22 1. Helen Keller 2. Stevie Wonder 3. Ludwig van Beethoven 4. Sudha Chandran 5. Marla Runyan 6. Vincent Van Gogh

Client correction page incorporated

Dogs

Dogs are man's best friend. There are more than 500 million dogs in the world.

A. Read the description and identify the breed of the dogs from the clues.

1. 

This dog is used for herding sheep.

_____

2. 

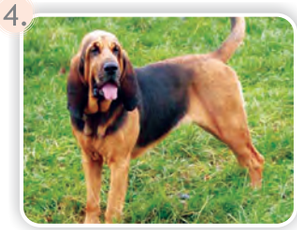
This dog is a sprinter by nature.

_____

3. 

This hunting dog is trained to indicate the position of game.

_____

4. 

This dog is used by the police to trace the criminals.

_____

5. 

This dog was originally bred for rescue.

_____

6. 

This dog is the smallest breed of dog.

_____

7. 

This is a large, strong dog breed from a Canadian province.

_____

CLUES

a. *Pointer*
b. *St Bernard*
c. *Newfoundland*
d. *Collie*
e. *Chihuahua*
f. *Bloodhound*
g. *Greyhound*

B. Match these dog breeds with the countries of their origin.

1.	Doberman	a.	India
2.	Kanni	b.	France
3.	Golden Retriever	c.	Germany
4.	Poodle	d.	Australia
5.	Cocker Spaniel	e.	Britain
6.	Dingo	f.	U.S.A

Know more

The Rottweiler is a large sized dog breed. It was originally bred to drive cattle to market.



Hibernation



Some animals hibernate. Hibernation is an extended period of deep sleep that allows these animals to survive extreme cold. Not just winters, extreme heat can also make some animals to hibernate.

Read the description and name the hibernating animals with the help of the pictures.



African lungfish



European hedgehog



Dormouse



Mouse lemur

1. Its name means ‘sleep mouse’. It curls up in its nest to preserve body heat and goes into a deep sleep. From time to time, it wakes up to eat, drink and perform other body functions.

   _____

2. Before hibernating, it digs and goes underground to build a nesting place. It also stores seeds and nuts in its nesting place.

   _____

3. This fish goes into summer hibernation, i.e. ‘aestivation’ when weather is unfavourable and food becomes scarce.

   _____

4. It builds up fat reserves during autumn by feeding on berries. It digs a den, lines it with grass and then goes into dormancy.

   _____

5. It is a nocturnal animal. Its spines protect it from predators. It hibernates during the winters.

   _____

6. It is the smallest primate. It is omnivorous and its weight fluctuates during hibernation.

   _____



Chipmunk



Some hibernating animals wake up for short spurts during the winter months to eat and relieve themselves. Other animals sleep through the entire winter season without doing either.



Polar bear



Unusual Plants

Mother Nature can be very strange, and sometimes its creations can be incredible.

Read the description given below and name the world's most unusual plants. Take help from the given clues.

1. This tree is a member of the asparagus family. It is from the island of Socotra and is well-known for its striking umbrella-like appearance.



_____



2. Also known as bottle tree, this tree originally belongs to Madagascar and can hold approximately 300 litres of water. Amazingly, it can live for over 2000 years!

_____



3. Also known as Mexican hand tree, this tree bears ornate red flowers having the shape of a clawed hand. The tree had religious significance to the pre-Columbian Aztec people.

_____



4. This plant is famous for its movements. Its small lateral leaflets rotate on its axis upon slightest influence of touch, sunshine, warmth or small vibrations.

_____



5. This extraordinary desert fern seems dead. But when it is put in water, it opens up and becomes all green and alive.

_____



6. Also known as golden fig, this tree first grows on the branches of another tree. It then grows long roots, stretches around the host tree, takes its sunlight and kills it. Then it takes the host tree's place.

_____



CLUES *Devil's hand tree, Strangler fig, Dragon tree, Rose of Jericho, Baobab, Telegraph plant*

Famous Quotations



There have been many great people in this world. They are remembered even today by their noble deeds and words of wisdom.

Whose quotations are these? Take help from the clues and write their names.



Lord Buddha

1. "Do not dwell in the past, do not dream of the future, concentrate the mind on the present moment."

_____

2. "There are only two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle."

_____



Sholem Aleichem



Oscar Wilde

3. "Yesterday is history, tomorrow is a mystery, today is a gift of God, which is why we call it the present."

_____

4. "Do not go where the path may lead; go instead where there is no path and leave a trail."

_____



Mahatma Gandhi



Bil Keane

5. "Throughout life, people may make you mad, disrespect you and treat you bad. Let God deal with the things they do, cause hate in your heart will consume you too."

_____

6. "Be yourself; everyone else is already taken."

_____



Mae West



Ralph Waldo Emerson

7. "You only live once, but if you do it right, once is enough."

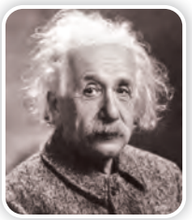
_____

8. "Imperfection is beauty, madness is genius and it's better to be absolutely ridiculous than absolutely boring."

_____



Marilyn Monroe



Albert Einstein

9. "Life is a dream for the wise, a game for the fool, a comedy for the rich, a tragedy for the poor."

_____

10. "Live as if you were to die tomorrow. Learn as if you were to live forever."

_____



Will Smith



Abbreviations

Abbreviations are short forms of words or phrases. They are generally the initial alphabets.

Write the full forms of the abbreviations and the abbreviated forms of the phrases given below.

1.	AAI	
2.	AIR	
3.	BCCI	
4.		Central Bureau of Investigation
5.		Central Board of Secondary Education
6.	CPWD	
7.	DRDO	
8.		Geostationary Launch Vehicle
9.		Indira Gandhi National Open University
10.		Indian Institute of Management
11.		Indian Institute of Technology
12.	IMD	
13.	INSAT	
14.	ISRO	
15.	ONGC	
16.		Permanent Account Number
17.		Public Sector Unit
18.		Public Works Department
19.		Research & Analysis Wing
20.		South Asian Association for Regional Cooperation

Idioms and Phrases



An idiom is a group of words established by usage as having a meaning different from those of the individual words. A phrase is a group of grammatically connected words within a sentence.

Match the following.

1.	Foot in the door	a.	Failing to obtain or keep up a good opportunity
2.	Go great guns	b.	Anything that can go wrong will go wrong
3.	Flying start	c.	Having less success than before
4.	Make a go of	d.	Very successful group, company, person, etc.
5.	Go to the dogs	e.	A person who has destiny under control
6.	Go up in smoke	f.	Start performing immediately
7.	Live on the breadline	g.	Small good start with possibility for bright future
8.	Make or break	h.	Having very little income
9.	Let slip through fingers	i.	Something that is immediately successful
10.	Rags to riches	j.	A life aloof from the realities of living
11.	On the pig's back	k.	Fail or succeed
12.	Smash hit	l.	Being successful
13.	Murphy's law	m.	To be in a prosperous and happy state
14.	Sink or swim	n.	Something that ends before getting a result
15.	Top dog	o.	Succeeding in your enterprise
16.	Wooden spoon	p.	Refers to music, films which are very successful
17.	Have the world by its tail	q.	Circumstances causing total success or total ruin
18.	Live beyond means	r.	Becoming very rich while starting very poor
19.	Live in an ivory tower	s.	Spending more money than you can afford
20.	Hit the road running	t.	Imaginary prize for the last person in a race



World Languages

Many languages are spoken in the world. An analysis of the languages shows that they fall under broad categories called language-families.

A. Answer the following. Take help from the given clues.

1. Name the language with the most letters i.e. 74 letters. _____
2. Name the language with the least letters i.e. only 12 letters. _____
3. Name the language having the most words. _____
4. Name the language used by the deaf and dumb people. _____
5. Name the language used by the blind for reading and writing. _____
6. Name an ancient language that is the basis of most Indian languages. _____
7. Name the oldest language preserved in writing. _____
8. Name the oldest system of writing 'word pictures'. _____
9. Name the language that is written from right to left. _____
10. Name the most commonly used word in English. _____



Sign language, The, Khmer, Hieroglyphics, Sanskrit, English, Arabic, Sumerian, Hawaiian, Braille script

B. Match these languages with the countries of which they are the official languages.

1.	English	a.	Italy
2.	Arabic	b.	Japan
3.	Hindi	c.	United Kingdom
4.	Japanese	d.	Germany
5.	German	e.	Pakistan
6.	Russian	f.	Saudi Arabia
7.	Italian	g.	Russia
8.	Urdu	h.	India



Folk Stories



Every culture of the world is enriched by famous folk stories that have been passed on by the generations. In some cases, these stories have been passed on orally or in written form and in some cases they have been in adapted form.

Read the clues and write the correct name in space provided.

1. A mysterious island in sea that can appear and disappear _____. (YANBU)
2. Giant bird of America that thunders by wings beat _____. (DERNUHTRDIB)
3. A small household fairy from England that makes household things disappear, sours milk and follows a family wherever they go _____. (GGBOTRA)
4. With fiery red eyes, these dogs may jump in from nowhere and meeting them is a certain death _____. (LLHEUOHND)
5. They are Indian spirits who possess dead bodies and hang themselves from tree branches like bats _____. (TABEL)
6. A huge mud giant that may break into a city and plunder it _____. (LEMGO)
7. A horse from France that can adjust its shape according to its riders. _____ (YABARD)
8. The boogeyman of Bengal who takes away naughty children. _____ (UZZU)
9. They usually appear like beautiful girls but are actually water horses that may drown you and eat you up. _____ (PEISLEK)
10. They ask questions to the travellers, and travellers who fail to answer their questions are eventually eaten up by them. _____ (XNIHSP)
11. They are shape-shifting female water spirits of Europe. _____ (IEXIN)






CLUES

Hellhound, Zuzu, Golem, Thunderbird, Buyan, Boggart, Sphinx
Betal, Nixie, Kelpies, Bayard

Know more

One of the famous folk story characters in English literature is Robin Hood who stole from the rich and gave to the poor. He lived in Sherwood Forest with his Merrmen.



The Yesteryear Indian Writers

India produced many great writers who left an impression on the whole generation and even inspired the coming generations by their writing.

Read the description and name the writers. Take help from the given clues.

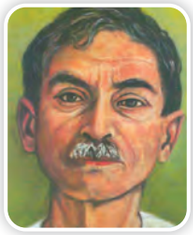
1.



He was one of the greatest novelists and poets of India. He wrote Vande Mataram, the national song of India.

_____

2.



He was one of the greatest literary figures of modern Hindi literature. His stories vividly portray the social scenario of his time.

_____

3.



She was a well-known Hindi poetess, often called the modern Meera. She was given the Jnanpith award in 1982.

_____

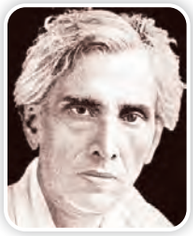
4.



She was a prominent Hindi poetess whose writings used to be very emotionally charged. She composed primarily in Veer Ras, one of the nine Rasas.

_____

5.



His stories and novels speak for themselves. His work represented rural Bengali society and he often wrote against social superstitions and oppression.

_____

6.



He was one of the most famous figures in modern Hindi literature. He was one of the four pillars of romanticism in Hindi literature.

_____

7.



He is considered as one of the major poets of the Chhayavadi school of Hindi literature. He mostly wrote in Hindi, influenced by Sanskrit.

_____

8.



He was one of the key figures in the history of Hindi literature. However, he was unrecognised during his life. He wrote strongly against social injustice and exploitation in society.

_____

CLUES

Premchand, Jaishankar Prasad, Suryakant Tripathi 'Nirala', Mahadevi Varma
Bankim Chandra Chatterjee, Subhadra Kumari Chauhan, Sumitranandan Pant, Sarat Chandra Chatterji