



# General Knowledge



**"KNOWLEDGE HAS A BEGINNING  
BUT NO END"**

**CLASS – VIII**



# TABLE OF CONTENTS

## 01 **BIODIVERSITY AND ITS CONSERVATIONS**

Chapter 1 : Catastrophic Events  
Chapter 2 : Eco – Warriors  
Chapter 3 : Animal Quiz

## 05 **SPORTS FUN**

Chapter 13 : World Records in Sports  
Chapter 14 : Paralympics  
Chapter 15 : Common Wealth Games

## 02 **INDIA'S MAJESTIC ARCH**

Chapter 4 : Folk Art of India  
Chapter 5 : Indian Theme Parks  
Chapter 6 : Courts of India

## 06 **LIFE SKILLS**

Chapter 16 : Stress Management  
Chapter 17 : Sustainable Living  
Chapter 18 : Online Safety and Cyber Adequate

## 03 **REVOLUTIONIZING THE WORLD: SCIENCE AND TECHNOLOGY**

Chapter 7 : Fundamentals of Biology  
Chapter 8 : Doctor's Zone  
Chapter 9 : Scientific Appliances

## 07 **OUR WORLD**

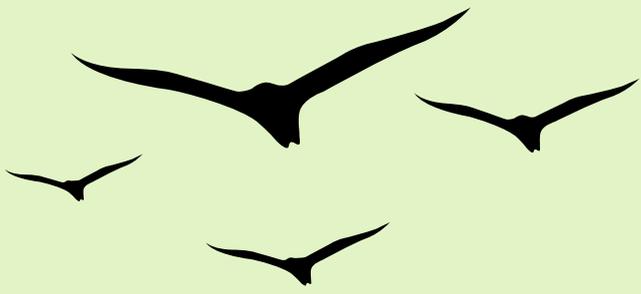
Chapter 19 : World's Engineering Marvels  
Chapter 20 : Best Universities Around the World  
Chapter 21 : International Organizations

## 04 **LANGUAGE AND LITERATURE**

Chapter 10 : Literary Achievers  
Chapter 11 : New Terms and Words  
Chapter 12 : Bard of Avon

## 08 **ALL AROUND US**

Chapter 22 : Amazing Facts  
Chapter 23 : Geological Wonders  
Chapter 24 : ISOS



# UNIT-1

## BIODIVERSITY AND ITS CONSERVATIONS



# CHAPTER 1

## CATASTROPHIC EVENTS

### NATURAL DISASTERS

A natural disaster is a sudden and catastrophic event caused by natural processes, such as geological, atmospheric, or hydrological phenomena, that can result in significant damage, loss of life, and disruption to the environment and human societies.



### EVENT

- **Bhola 1970**
- **1931 Chinese Floods**
- **Tsunami**
- **1556 Shaanxi Earthquake**
- **1815 Mt. Tambora**
- **Limnic Eruption**
- **Huascarán Avalanche**
- **Indian Ocean Tsunami (2004)**

### DESCRIPTION

The deadliest of all known natural disasters that has claimed 3.7 million lives

The most devastating of all known earthquakes in history that had claimed 8,30,000 lives.

The deadliest of all non storms in terms of the number of lives that it had claimed 5 lakh.

A wave that is formed due to displacement of a large volume of water

Sudden eruption of massive amounts of carbon dioxide from lakes suffocating human beings and while the life

The deadliest volcanic eruption ever recorded in history that claimed 92000 lives.

The world's most devastating Tsunami claiming 2, 30,273 lives

The most massive and deadly avalanche in human history.

# CHAPTER 2

# ECO WARRIORS

An environmentalist supports the goals of environmental conservation. He or she is devoted to the green cause of improving and protecting the quality of the natural environment through the implementation of environment friendly ways of life



## **MEDHA PATKAR**

She is known for her roll in the Narmada Bachao Andolan. She planned to drown herself in the rising reservoir waters behind the Sardar Sarovar Dam, whose construction she fought for two decades.



## **MANEKA GANDHI**

She started the organisation 'People for Animals'. It is the largest organisation for animal rights and welfare in India. She is also a patient of International Animal Rescue.



## **SUNDERLAL BAHUGUNA**

One of the early environment list of India, for yours he has been fighting for the preservation of forests in the Himalayas, as a member of the chipko movement. He spearheaded the Anti Tehri Dam movement.



## IDENTIFY WHO SAID THESE



1. There is a sufficiency in the world for man's need but not for man's greed
2. Thank god men cannot fly and lay waste the sky as well as the earth.
3. We do not inherit the Earth from our ancestors we borrow it from our children.
4. Civilization.... Wrecks the planet from seafloor to stratosphere.
5. It is a curious situation that the sea from which life first arouse should not be threatened by the activities of one form of that life.

### HELP BOX

- Mohandas K Gandhi
- Henry David Thoreau
- Native American Proverb
- Richard Bach
- Rachel Carson

# CHAPTER 3

## ANIMAL QUIZ

1. Which is the largest living bird on the earth?

- a. Emu
- b. Ostrich
- c. Albatross



2. Darwin finches refer to a group of

- .
- a. Fishes
  - b. Lizards
  - c. Birds



3. Which amongst the following is the largest mammal?

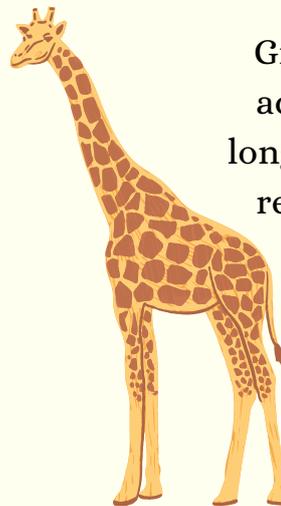
- a. Elephant
- b. Blue-whale
- c. Dinosaur



### FACT CORNER

### GIRAFFE

Giraffes have a structural adaptation in the form of long necks, allowing them to reach leaves on tall trees.



4. Which of the following are warm-blooded animals?

- a. Whales
- b. Whale-sharks
- c. Alytes



5. Which of the following is the smallest bird?

- a. Pigeon
- b. Parrot
- c. Hummingbird

### OCTOPUS

Octopuses have structural adaptations like flexible bodies, camouflage abilities, and tentacles equipped with suckers for grasping prey.



6. Which of the following snakes prey on other snakes?

- a. King Cobra
- b. Rattle Snake
- c. Boa Constrictor



### Answers

1. Ostrich 2. Hummingbird 3. King Cobra 4. Birds 5. Blue Whale 6. Whales

# UNIT-2

## INDIA'S MAGESTIC ARCH





# CHAPTER 4

# FOLK ART OF INDIA

**FOLK ART REFERS TO ART PIECES CREATED BY PEASANTS, SHEPHERDS, SAILORS, FISHER FOLK, ARTISAN AND SMALL TRADESPEOPLE WHO LIVE AWAY FROM URBAN CENTRES.**

## FOLK ART MAP OF INDIA



### FACT CORNER

What is the oldest Indian folk art?

Bhil paintings

Bhil paintings are a form of folk art, an art produced by the common people or folk artists from Bhil community. It is believed to be the oldest surviving form of Indian painting and has been practiced for over two millennia. The Bhils are a large tribal community residing in central India (Madhya Pradesh).

## Identify the popular forms of Indian folk art from the class given below:

1. It is a traditional art form of Kutch Gujarat. It involves creating intricate designs using castor oil based paintings on fabric. The motifs often depict nature, animals and geometric patterns.

-----

2. It is a tribal art form practiced in the state of Maharashtra. It involves the use of white pigment on a brown background to create geometric patterns, human figures and scenes from daily life.

-----

3. This art form originated in Uttarakhand it is practised mostly by women, who skillfully create beautiful patterns on the floors of their homes and walls of the puja rooms on auspicious occasions and festivals.

-----

4. It is prevalent in various states of the north east, including Assam, Manipur and Tripura. Skilled artists create baskets, furniture, mats and decorative items using bamboo and cane, showcasing intricate weaving techniques.

-----

5. It is a traditional art form from Tamilnadu which is generally known for its intricate geometric and symmetrical designs. It is created using rice flour or colored powders and is drawn in front of houses, temples and auspicious places.

-----

6. It is a traditional art form from the State of Odisha. It involves intricate paintings on cloth or Palm leaves using natural pigments. These paintings often depict mythological stories, religious themes and cultural traditions.

-----

7. It is a traditional form of metal casting that originated in the tribal regions of West Bengal. It involves the use of the lost wax casting technique to create beautiful and intricate brass or bronze sculptures.

-----

### Help Box

Dhokra Art, Warli, Aipan Art, Pattachitra, Bamboo and cane craft,  
Rogan Art, Kolam

## CHAPTER 5

# INDIAN THEME PARKS

Parts that features of attractions such as ride, games and other entertainment events are called theme parks.

Read the descriptions of sum of the Indian theme parks given below and identify their names:

1. It is a theme park located in Maharashtra. It was opened in 2013. It has a capacity of 15000 visitors.
2. It is located in Hyderabad, Telangana. It is the largest integrated Film City. It was founded in 1996.
3. This amusement park is located in Kolkata. It is also known as that Disneyland of West Bengal. It was opened in 1991.
4. This Park is located in three cities namely Kochi, Bengaluru and Hyderabad. It was opened in 2000 in Kochi, in the 2005 in Bengaluru and in 2016 in Hyderabad.
5. It is one of the largest amusement parks in India. It is located in Mumbai. It was opened in 1989.
6. It is a theme park located in Chennai. It was opened in 2003.
7. It was India's first and the most popular amusement park. It was located in Delhi. It was opened in 1984.

### Answers

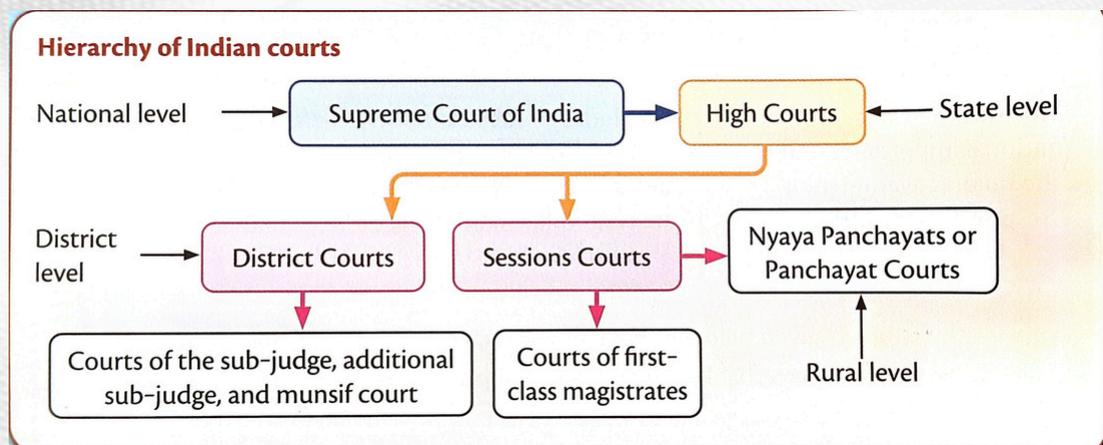
1. Adlabs Imagica
2. Ramoji Film City
3. Nicco Park
4. Wonderla
5. Essel World
6. Queens Land
7. Appu Ghar



# Chapter 6 COURTS OF INDIA



The judiciary is an important organ of the Indian government. It performs three main functions- protect the rights and liberties of the citizens, secure justice for the people and settle disputes amongst the people in accordance with the law. As an independent organ, the judiciary is not influenced by the legislature or the executive.



## SUPREME COURT

It is the highest court in the country. The decisions of the supreme court are binding on all courts in India.

### Composition

1. The Supreme Court is located in New Delhi.
2. The Supreme Court is headed by the Chief Justice of India along with thirty other judges.
3. The Chief Justice is appointed by the President of India on the recommendation of the Council of ministers and other judges of the Supreme Court and High Courts.
4. Judges of the supreme court normally retire at the age of 65.

### Function

It hears three types of cases- civil cases, criminal cases and cases that involve an interpretation of the Constitution of India.

# JABALPUR HIGH COURT



## HIGH COURT

High Court works under the supervision of the Supreme Court and is bound by its orders and judgements.

### **Composition**

1. High Court is composed of a chief justice and a number of other judges.
2. The chief justice of a High Court is appointed by the President of India in consultation with the Chief Justice of India and the governor of the concerned state.
3. The other judges are also appointed by the President, in consultation with the President, Chief Justice of India, Chief Justice of the concerned High Court and governor of the state. Judge of High Court retires at the age of 62.

### **Function**

Similar to the Supreme Court, the High Courts enjoy original, appellate and supervisory jurisdictions. In addition to these, the High Courts also record their proceedings and verdicts to serve as the court of record.

## DISTRICT COURT

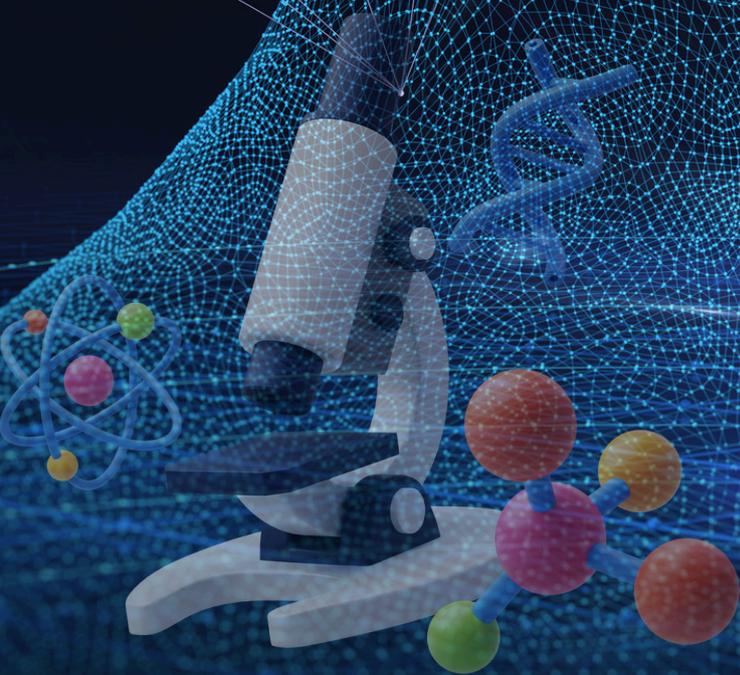
A district court is a local court that handles civil and criminal cases in a district. In India, district courts are the highest civil court in a district and are responsible for administering justice at the district level.

### **Facticle**

**The Calcutta High Court is the oldest High Court in India.  
It was established in 1862, under the Letters Patent  
granted by Queen Victoria.**

# UNIT-3

**REVOLUTIONIZING THE  
WORLD: SCIENCE AND  
TECHNOLOGY**



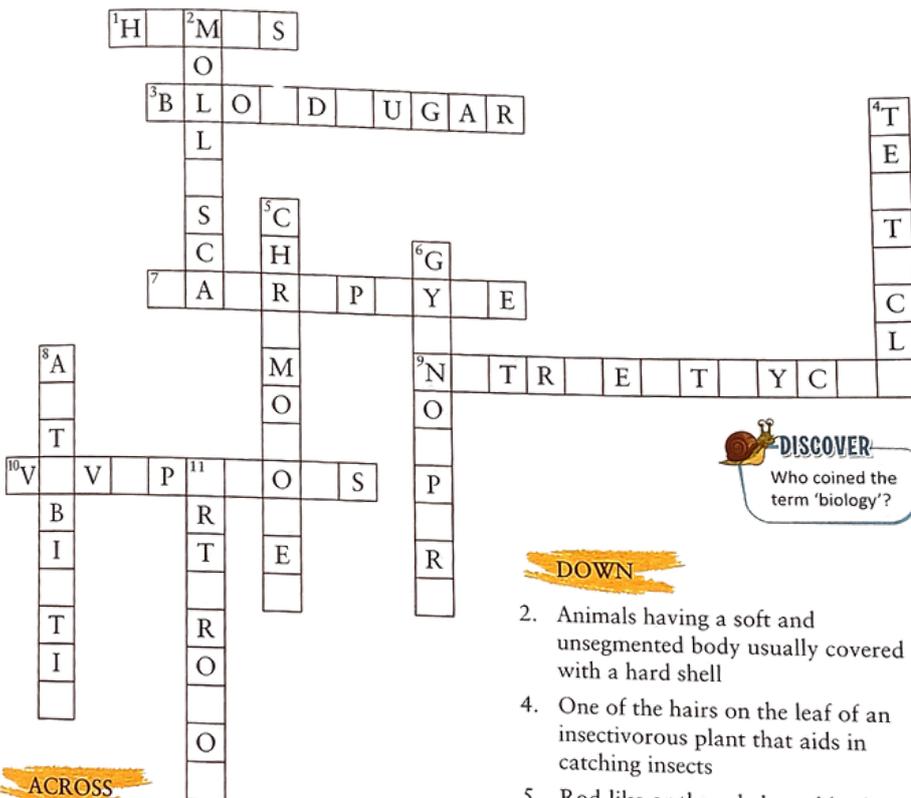
# Chapter 7

## FUNDAMENTALS OF BIOLOGY

Biology is the study of living things and their vital processes.

This broad signs can be divided into fields specifically concerned with one type of living thing; namely, botany, plants; zoology, animals; ornithology, birds; entomology, insects and bacteriology, bacteria.

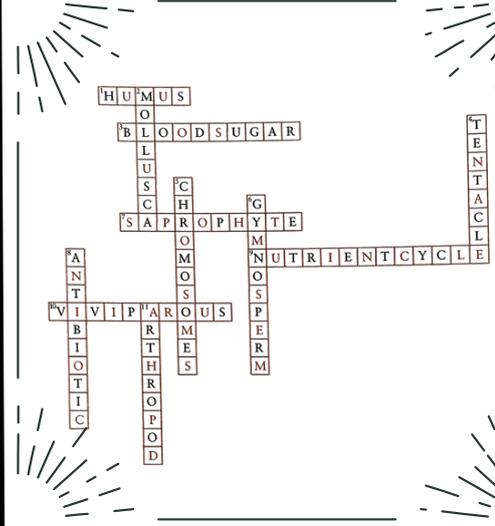
Solve the given crossword on some botanical and zoological terms and concepts.



### DOWN

- ACROSS**
- Rich soil made of decayed plants and leaves
  - Glucose dissolved in blood
  - Organism living on dead and decaying organic matter
  - Pathway of nutrients within an ecosystem
  - Term for a seed that germinates before being detached from the parent plant
- DOWN**
- Animals having a soft and unsegmented body usually covered with a hard shell
  - One of the hairs on the leaf of an insectivorous plant that aids in catching insects
  - Rod-like or thread-shaped bodies found in the nucleus of cells of animals and plants that carry genetic materials
  - Plant with naked seeds that are not enclosed in fruits
  - Penicillin, streptomycin, and terramycin are examples of this
  - An invertebrate animal with a segmented body and joined limbs

### Solution Corner



# CHAPTER 8

## DOCTOR'S ZONE



In India, the degree awarded for specialisation in surgery is called Magister Chirurgiae (M Ch) like M Ch in Neurosurgery, Cardiac surgery, Paediatric surgery etc.

1. A doctor who deals with nerve disorders.
2. A doctor who treats people with mental illness.
3. A doctor who deals with the medical problems of women.
4. A doctor who deals with pregnancy, child birth and care of the mother.
5. A scientific expert whose duties to carry out post-mortems.
6. One who helps rehabilitation of patients to select activities and helps them to function independently in everyday life.
7. An X-ray specialist who uses radiation to diagnose and treat diseases.
8. A doctor who treats ear, nose and throat diseases.
9. A doctor concerned with the study of the skin and treatment of its diseases.
10. A doctor who is an eye specialist.
11. A doctor who deals with teeth.
12. A doctor who is connected with injuries and diseases of the bones or muscles.
13. A doctor who specialises in diseases related to blood.
14. A doctor who deals with heart problems.
15. A doctor deals with kidney problems.
16. A doctor who studies and cures diseases in the urinary system.
17. A doctor who deals with children's diseases.
18. A doctor who has studied about tumors and cures them.



Answers:

1. Neurologist
2. Psychiatrist
3. Gynecologist
4. Obstetrician
5. Forensic Pathologist
6. Occupational Therapists
7. Radiologist
8. Otolaryngologist
9. Dermatologist
10. Ophthalmologist
11. Orthodontics
12. Orthopaedist
13. Haematologist
14. Cardiologist
15. Nephrologist
16. Urologist
17. Paediatrician
18. Oncologist



# CHAPTER 9

## SCIENTIFIC APPLIANCES

**Read the clues and name the appliances by their functions:**

1. It is a device that converts mechanical energy into electrical energy.
2. It measures accurately the curvature of spherical objects .
3. An instrument that measures sound underwater.
4. Device that regulates constant temperatures.
5. This instrument compares intensities of colour.
6. It detects the presence of electric charge.
7. It is used for viewing objects whose direct vision is blocked and those that lie above the eye level.
8. Measures solar radiations with this.
9. An instrument used for measuring altitudes and angles in astrology and navigation.
10. It is used for the detection of electric impulses of the heart.

### Answers

- |                       |                 |                |
|-----------------------|-----------------|----------------|
| 1. Electric generator | 2. Spherometer  | 3. Hydrophone  |
| 4. Thermostat         | 5. Altimeter    | 6. Colorimeter |
| 7. ECG                | 8. Electroscope | 9. Periscope   |
| 10. Pyranometer       |                 |                |

# UNIT-4

## LANGUAGE AND LITERATURE



# CHAPTER 10

## Literary Achievers

The most prestigious literary prize and one of the most important literary awards in the English-speaking world is the Booker Prize known as the Man Booker Prize.

Name these famous people using the Clue Box.

1. This English poet and playwright is recognised as the greatest of all dramatists. Born in Stratford-upon-Avon, England, he is famous for his comedies and tragedies.  
\_\_\_\_\_
2. He wrote his first poem at the age of eight and had one published at the age of fourteen. His most famous work is Gitanjali. \_\_\_\_\_
3. An English writer and Nobel laureate, he wrote novels, poems and short stories, set in India and Myanmar during the British rule. His most famous poem is 'If'.
4. He was an English poet, who started writing poetry when he was in school. He was the Poet Laureate of Great Britain. One of his famous poems is 'Daffodils'.  
\_\_\_\_\_
5. An Englishman better known as Lord Byron. His work was very popular during his lifetime. One of his famous works is Childe Harold's Pilgrimage. \_\_\_\_\_
6. This poet from America was awarded the Pulitzer Prize for poetry four times. His most famous work is "In the Clearing".
7. He is one of the most popular American poets. His poem, 'The Village Blacksmith' is very popular.
8. By the time he was fifteen, he had produced several plays and an epic. He was appointed the poet laureate of Great Britain succeeding William Wordsworth.
9. A brilliant student, she started writing poetry at the age of twelve. She became a prominent figure in India's freedom. Her most famous work is the 'Broken Wings'.  
\_\_\_\_\_
10. Punjabi writer died at the age of eighty-six in Delhi on October 30, 2005. She was the first woman to get the 'Sahitya Academy Award'. She received many other prestigious awards such as Jnanpith Award, Padmashri and Padma Bhushan. She had also been a Rajya Sabha Member. \_\_\_\_\_



# Chapter 11

## NEW TERMS AND WORDS

New words, terms and phrases keep getting added to the English language time and again. New words enter English from every area of life where they represent and describe the alterations and advances that take place from day to day. It is good to be acquainted with these news words and expressions that become a part of the language.

**Read the descriptions and write the appropriate word for each given in the help box:**

- 1. The situation when a car driver is post to give up his work or drive to a destination shows in by the attacker.**
- 2. Set of rules governing appropriate behaviour and courtesy on the internet.**
- 3. Unpleasant a travel experience.**
- 4. A person who spends and excessive amount of time on the internet.**
- 5. Aggressive habits on the road often resulting in violence against other drivers.**
- 6. A social disease resulting from extreme materialism and excessive consumerism, which can lead to overwork, debt, stress and anxiety.**
- 7. A new word or expression that is commonly used in specialized work, environments or age groups and has become fashionable.**
- 8. A symbol, used in email messages, which is shaped out of punctuation marks and resembles a human face.**
- 9. A person who spends a lot of time setting in front of the television.**
- 10. Person who dresses up according to the latest fashion trends.**

### Answers

- |               |               |               |                 |                 |
|---------------|---------------|---------------|-----------------|-----------------|
| 1. Carjacking | 2. Netiquette | 3. Flightmare | 4. Netizen      | 5. Road rage    |
| 6. Affluenza  | 7. Buzz word  | 8. Emoticon   | 9. Couch potato | 10. Fashionista |



# Chapter 12

## Bard of Avon

English poet and playwright William Shakespeare is widely regarded as the greatest writer in the English language and the world's most outstanding dramatist. He is often revered as England's national poet and the Bard of Avon. Let's meet him here.



Cymbeline



A Midsummer Night's Dream



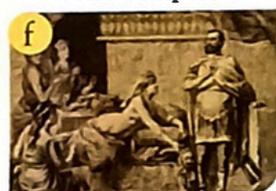
Twelfth Night



Much Ado About Nothing



The Tempest



Antony and Cleopatra



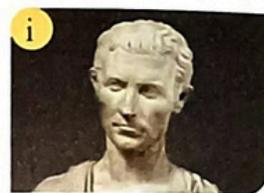
Othello

Identify the plays and write the correct letters to name them.

- "I will speak daggers to her, but use none".
- "All the world's a stage, and all the men and women merely players. They have their exits and their entrances; And one man in his time plays many parts".
- "What's in a name? That which we call a rose by any other name would smell as sweet".
- "The devil can cite Scripture for his purpose".
- "Our doubts are traitors, and make us lose the good we oft might win, by fearing to attempt".
- "Cowards die many times before their deaths; The valiant never taste of death but once."
- "Yet do I fear thy nature; It is too full o' the milk of human kindness."
- "Have more than thou showest, speak less than thou knowest, lend less than thou owest".
- "I will wear my heart upon my sleeve for daws to peck at".
- "My salad days, when I was green in judgment."
- "I have not slept one wink."
- "Be not afraid of greatness: some are born great, some achieve greatness and some have greatness thrust upon them".
- "We are such stuff as dreams are made on, rounded with a little sleep".
- "The course of true love never did run smooth".



Macbeth



Julius Caesar



Romeo and Juliet



As You Like It



Hamlet



The Merchant of Venice



Measure for Measure

Answers :-

- Hamlet
- As you like it
- Romeo and Juliet
- The merchant of Venice
- Measure for measure
- Julius Caesar
- Macbeth
- Much Ado about nothing
- Othello
- Antony and Cleopatra
- Cymbeline
- 12th night
- The tempest
- A midsummer nights dream

# UNIT-5

## SPORTS FUN



## WORLD RECORD IN SPORTS

Read the clues and identify these sports peoples who achieved the following world records. Fill in the missing letters to complete their names

1.He is an American professional golfer who is known for his dominance on the golf course. He has 15 major championship titles to his name, earning him the reputation of one of the world's most successful golfers



T \_ G \_ R W \_ \_ D S



2. She is an American tennis player who has established herself as one of the greatest athletes in the sport. She holds the record for the most Grand Slam singles titles by a woman in the Open Era, with a total of 23 championships.

S \_ R \_ N \_ W I \_ L I \_ M \_

3. He is an American swimmer who is widely regarded as the most successful Olympian of all time. He has won 23 Olympic gold medals, the most in history, and has set numerous world records in various swimming events.



M \_ C H \_ E L P \_ E L \_ S

4. She was an American track and field athlete and the fastest woman ever recorded. She set world records in 1988 for 100-metre and 200-metre sprints in 10.49 seconds and 21.34 seconds respectively.

F\_OR\_NC\_GR\_FF\_THJ-Y-ER



5. He is a former West Indian cricketer who is considered one of the greatest batsmen in the history of the sport. He holds the record for the highest individual score in Test matches, with an unbeaten 400 runs

\_RL\_NL\_R\_



6. He is an iconic basketball player who holds the record for the most points scored in a playoff career, with a total of 8,023 points. This record is a testament to his consistency and brilliance on the court

L\_B\_O\_ J\_M\_S



She is an Indian boxer who has won multiple world championships and holds the record for the greatest number of medals (8) in the history of the AIBA Women's Boxing Champions

M\_R\_ K\_M



### Answers

1.Tiger Woods,2.2.Serina Williams,3.Michael Phelps,4.Florence Griffith Joyner,5.Brain laraa,,6.LeBron James,7.Mary Kom

# Chapter : 14

## PARALYMPICS

**A. Answer the following. Choose your answers from the help box.**

1. Which year the official Paralympic games start?
2. How many sports are played in Tokyo Paralympics Games?
3. What is the mascot of Tokyo Paralympics 2020 games?
4. Aruna Tanwar represented India in which of the sports?
5. What is the main motto of Tokyo Paralympics Games?
6. Which nation withdraws from the Tokyo Paralympics 2020 due to instability and violence?
7. What are the sports played in the Summer Paralympics?



**B. Write the correct letters to name them and the sports they played.**



- a. Sarah Davies, weightlifter
- h. Paige Greco, cyclist
- c. Avani Lekhara, shooter
- d. Francesco Boccardo, swimmer
- e. Tristan Bangma, cyclist
- f. lyad Shalabi, swimmer
- g. Devendra Jhajharia, athlete

**Answers**

- A. 1. 1960; 2. 22; 3. Someity; 4. Womens Taekwondo Event; 5. United by Emotions; 6. Afghanistan; 7. Wheelchair rugby, shooting, and boccia; 8. Paris, France
- B. 1. c; 2. f; 3. e; 4. g; 5. b; 6. a; 7. d

# CHAPTER:15

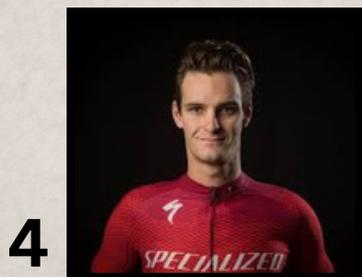
## COMMONWEALTH GAMES

The Commonwealth Games is one of the largest sports events in the world. The first Commonwealth Games were held in the year 1930, since then, the Commonwealth Games have been held every four years, except for the period during the Second World War.

### A. Answer the following to brush up your knowledge on Commonwealth Games.

1. Who is the founder of the Commonwealth Games?
2. In which city Commonwealth Games 2022 will be held
3. How many sports disciplines will be played in Commonwealth Games 2022?
4. Who are the flag bearers of India in Commonwealth Games 2022?
5. The last city in England to host Commonwealth Games was?
6. How many athletes from India are participating in CWG 2022?
7. How many countries are participating in CWG 2022?
8. The official mascot of CWG 2022 is?
9. Sushila Devi Likmabam has won Silver in which game in Commonwealth Games 2022?
10. Who won India's first Gold Medal at Commonwealth Games 2022?

### B. Look at the pictures and name the following sports personalities. Choose your answer from the help box.



### Answers

- A. 1. Melville Marks Robinson; 2. Birmingham; 3. 20; 4. P.V Sindhu and Manpreet Singh; 5. Manchester; 6. 215; 7. 72; 8. Perry; 9. Judo; 10. Mirabai Chanu
- B. 1. Jessica Stenson; 2. Mirabai Chanu; 3. Jeremy Lalrinnunga; 4. Samuel Gaze; 5. Anchita Sheuli; 6. Katie Shanahan

# UNIT:6



Keilly Swift

# Chapter 16

## Stress Management

Have you ever noticed that you do not feel hungry before an examination or you might have observed you are perhaps sweating just before the result declaration? Well, it is not just you who have experienced this; more or less everybody feels the same, it is termed as mental stress. Mental stress can be dangerous as it makes a person less efficient and nervous.

Fortunately stress can be controlled by knowing and practicing the four simple 'A's of stress management.

**Apply the four 'A's in the given situations:**

**A for Accept: When a situation cannot be changed it should be accepted.**

- Learn from the past experience. (For this you need to accept that you need to learn)
- Learn from your failures (For this you need to accept that you have failed)
- Do not ask "why this to me?" but try to find the remedy
- Positive thoughts are a must
- Keep smiling



**A for Avoid: Avoid things and actions that may bother you. Avoid negativity.**

- Avoid bad company.
- Avoid being overburdened. Complete the syllabus and studies on a daily basis and do not pile it for last moment preparations.
- Avoid speaking lies. A single lie may need thousands of make ups and lies.
- Avoid negative talks. Ask parents and teachers how to have a positive mind.

**A for Alter: If you can change the situation in your favour you should try to change it.**

- Try to motivate and change others who are creating trouble.
- Change the time, place, and setting.
- Learn about time management.
- Be more assertive.

**A for Adapt**

- Change yourself with the changing situation.
- Change the way you think.
- Change the way you feel.
- Change your actions accordingly.



**Example:**

**Situation:** A lot of the syllabus is left to be covered and only two days are left for the examination to begin.

Action: 1. Alter: (Be assertive and confident and manage the time to prepare.)

Action: 2. Accept: (Note the experience and stress you had by not completing the syllabus in proper time.)

Action: 3. Avoid: (Piling up the work)

Now try and identify the actions in the following situations:

**Situation 1.** You went for picnic with four of your friends and all of you have lost your way and your friends are too worried.

Action: 1 \_\_\_\_\_

Action: 2 \_\_\_\_\_

Action: 3 \_\_\_\_\_

**Situation 2.** A friend of yours has taken your notebook just before the exam and he is not returning it to you.

Action: 1 \_\_\_\_\_

Action: 2 \_\_\_\_\_

Action: 3 \_\_\_\_\_

**Situation 3.** In the recent examination you have scored very poor marks and your parents are very angry with you.

Action: 1 \_\_\_\_\_

Action: 2 \_\_\_\_\_

Action: 3 \_\_\_\_\_

**Situation 4.** Your final examination are just round the corner and some guests drop in at home.

Action: 1 \_\_\_\_\_

Action: 2 \_\_\_\_\_

Action: 3 \_\_\_\_\_

# Chapter :17

## Sustainable Living

**Sustainable living is a lifestyle that aims to reduce the environmental impact of individuals and societies. It involves making conscious decisions about everyday habits**

**Fill in the blanks with suitable words. Safeguard the environment to sustain life on the earth.**

1. \_\_\_\_\_ like coal and crude oil are non-renewable, so use them economically.
2. Plastic is \_\_\_\_\_ does not mix with soil naturally. Therefore, use jute or paper containers instead of plastic covers.
3. Chlorofluorocarbons used in refrigerators and aerosols cause \_\_\_\_\_. So minimise their usage .
4. Diesel vehicles cause \_\_\_\_\_ as the Egyptian carbon monoxide. Therefore use CNG for vehicles.
5. Too much carbon dioxide in the air increases temperature causing\_\_\_\_\_.
6. Global warming will make the polar ice caps to \_\_\_\_\_. Precautions should be taken along coastal areas.
7. Do not throw garbage or waste products in rivers and ponds as they cause \_\_\_\_\_. They must be recycled.
8. Industries should use \_\_\_\_\_ for their chimneys to trap the dust.
9. Industrial smoke forms \_\_\_\_\_ which when mixed with rain causes \_\_\_\_\_. It is harmful to plant growth and causes skin allergies.
10. Loudspeakers and full volume stereos cause \_\_\_\_\_.
11. Volcanoes, dust storms and forest fires are \_\_\_\_\_ sources of air pollution.
12. Presence of excessive unwanted and inappropriate artificial lighting causes\_\_\_\_\_.
13. According to WHO \_\_\_\_\_ is the world's most polluted city.

**Clue Box:** 1. Water pollution 2. Non biodegradable 3. Melt 4. Acid rain 5. Mexico city, Mexico 6. Light pollution 7. Air pollution 8. Fossil fuels 9. Filters 10. Natural 11. Noise pollution 12. Global warming 13. Smog



# Chapter:18

## Online Safety & CYBER Adequate



When we use computers, tablets, or smartphones, we should be very careful about sharing our personal information. Cyber security is all about keeping our personal information shared on digital platforms and devices safe from misuse and malicious attack



### Create Strong Passwords

Use passwords that are hard for others to guess. Make them a mix of letters, numbers, and special characters. And remember, never share your passwords with anyone! Change your passwords from time to time.



### Be aware of scams

Watch out for scams, like people pretending to be someone else to trick you into giving them money or information.



### Keep Your Devices Updated

Make sure to update your devices and apps regularly. These updates often include important security fixes that help protect you from cyber threats.



### Be Smart on Social Media

Only connect with people you know in real life on social media. Be careful about sharing personal information or posting pictures that could give away too much about you.



### Think Before You Click

Be careful about clicking on links or downloading things from unknown websites or emails. Some links or files might have viruses that can harm your device or steal your information.



### Talk to a Trusted Adult

If anything online makes you feel uncomfortable or if you see something that doesn't seem right, talk to a grown-up you trust, like your parents or teachers. They can help you stay safe and report any problems.

# Unit :7

## OUR WORLD



# Chapter: 19

## World's Engineering Marvels

Look at the pictures of some famous engineering marvels around the world. Read the descriptions and write their names in the blanks using the Help Box.

It is a major national project to build a system of canals carrying water from Lake Nasser to irrigate the Western Desert of Egypt (part of the Sahara Desert) for agricultural production. It will boost agriculture in Egypt and provide food to its increasing population,



It is a space telescope launched by NASA. It is designed to study X rays, which are invisible to the human eye. X-ray emissions come from very hot regions of the universe such as stars and black holes. It is helpful in understanding the formation of galaxies and our Solar system.



It is a dam constructed across the Yangtze River (China) to produce electricity, prevent floods and promote tourism. It is the world's largest power station in terms of installed capacity and concrete structure.



It is one of the tallest cable-stayed road bridges in the world. This bridge (about 340 m high) connects Paris (France) to Barcelona (Spain), crossing the Tarn River



It is 1070 feet high structure. It is built on the side of a huge cliff in Zhangjiale National Forest Park in China. It connects three double-storey sight-seeing elevators. It carries around 50 people in one trip. It is the world's highest and heaviest outdoor elevator. It is an easy way to get to the top of the cliff, which would otherwise need a long and difficult trek.



### Help Box

- (a) The Bailong Elevator
- (b) Toshka Project
- (c) Chandra X-ray Observatory
- (d) Three Gorges Dam
- (e) Millau Viaduct

Answers  
1(b), 2(c), 3(d), 4(e), 5(a),

## Other engineering marvels include: The Great Wall of China      The Panama Canal



## IDENTIFY THE GIVEN MONUMENT



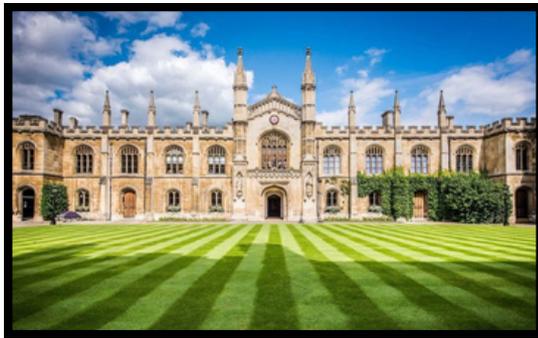
Answer:  
Tajmahal, Konark sun  
Temple, Hawa mahal, Amber Palace

# Chapter: 20

## Best Universities Around The World

Look at the pictures of some of the best universities around the world known for excellent teaching, research, international outlook and global placement. Read about them and write their names using the Help Box.

It has one of the largest campuses in the United States of America. It is well known for Research, its Business School, Law School and Engineering.



It is ranked among the top universities in the world for its courses in History, Mathematics and Archaeology.

It is the oldest institution of the United States of America. It is popular for its courses in Business and Law School



It is the world's second oldest surviving university. It is ranked number one in the world for English Language and Humanities.

### Quiz Time

Match the following.

- |  |  |
|--|--|
| 1. The first university established in India   | (a) Indian Institute of Technology (IIT)             |
| 2. The largest university in India (area wise) | (b) GB Pant University of Agriculture and Technology |
| 3. The best engineering colleges in India      | (c) All India Institute of Medical Sciences, Delhi   |
| 4. The best medical college in India           | (d) Nalanda University                               |

Answer :1.(d),2.(b),3.(a),4.(c)

### Help Box

- (a) Cambridge University  
 (b) Stanford University  
 (c) Harvard University  
 (d) Oxford University

Answers

1.(b),2.(a),3.(c),4.(d)

**International organizations are of two types-inter-governmental international organizations that involve world government efforts; and non-governmental international organizations that depend upon individual and community donations. Both of these work hand in hand for the greater cause of human development and relief.**

**From the clues provided as well as their acronyms, identify the organizations.**

1. They are a UNO branch that fights world poverty. They have been feeding around 1.4 billion people since they started in 1963. (WFP)
  2. They alert and try to identify solutions for environment challenges. They are famous for their red lists of threatened animals. (IUCN)
  3. They are a non-governmental organization that works in the developing and war torn nations to fight epidemic diseases. (MSF)
  4. This is an inter-governmental international organization that lends money to the nations from a fund gathered from its member nations. (IMF)
  5. A large international non-governmental organization that aims at providing a wide range of humanitarian services like emergency relief, children education, gender equality, water management, and economic development. (CARE)
  6. They are a UNO branch for fighting the greatest epidemic in human history-AIDS. (UNAIDS)
  7. They are a non-governmental international environment protection organization and their motto is "to halt and reverse the destruction of our environment". (WWF)
- It is a UNO specialized branch that codifies the principles, techniques, and related planning of international air navigation. (ICAO)

### DISCOVER

*Amnesty International works for world human rights and raises voice whenever fundamental rights are abused. Their motto is "it is better to light a candle than to curse the darkness". Find out where they are located*



### FACT

Jean-Henri Dunant is the founder of the Red Cross movement. He witnessed the Austro-Sardinian War of 1859 and he saw how over 40000 soldiers on both sides were left to die in the open battlefield. He was shocked to see the suffering of the wounded soldiers with no medical facilities. Back home he founded the "Committee of the Five" that finally gave birth to "International Committee of the Red Cross". However, his business failed due to his humanitarian works and he was left bankrupt. Today, millions of lives have been saved and changed due to his humane

### Answers

1. World Food Program; 2. International Union for Conservation of Nature; 3. Médecins Sans Frontières;
4. International Monetary Fund; 5. Cooperative for Assistance and Relief Everywhere;
6. Joint United Nations Programme on HIV and AIDS;
7. World Wildlife Fund for Nature;
8. International Civil Aviation Organization



## UNIT:8

# ALL AROUND US



**Read these amazing facts. Don't you think our world is wonderful!**

1 **Star death:** The Sun will eventually collapse squeezing the last particles so tight that it will reheat and glow bright white. At this stage, a star is known as 'white dwarf'

2 **Thunder and lightning:** Electricity builds up in storm clouds. When a cloud cannot hold any more electricity, it is discharged in an enormous spark called lightning. A single flash of lightning can generate a current of 5,00,000 amps similar in strength to the output of a large power station.

Lightning heats the air around it, causing air to expand very fast. This sudden expansion causes the rumbling noise which we hear as thunder.

3. **Bar Code Reader:** There is a Bar Code Reader at billing counters of every supermarket. It reads the bar code on a product. The computer converts the barcode number into the name and price of the product which is then typed and added to your bill. The computer, in turn, tells how much of each product has been sold each day so that more supplies can be ordered.

4. **Amazing star fish:** When a star fish is cut into two half, it will not die. Each of the two halves will grow the parts needed to make a new star fish.

5. **Tarantella:** A whirling dance called the Tarantella has been popular since the 15 century. It was first performed in Italy. People believed that this dance made the victim overcome the effect of the Tarantella spider's poisonous bite.

6. **Centuries of drought:** In the Atacama desert on the west coast of South America, there are places where it has not rained for at least four hundred years. People who live on the fringe of this desert buy water brought by tankers or piped from the Andes mountains. February 2012 saw heavy rains and flood in the Atacama desert.

7. **Frozen water stone:** The Antarctica is covered by 30 million cubic km of ice. If all this ice melted, sea levels around the world would rise by about 60 meters.

8. **Replacement Service:** A single drop of blood in our body contains about 250 million red cells and over 3,00,000 white cells. The red cells wear out quickly but every day our body replaces about 2.5 billion new ones. This is nature's gift.

# Chapter: 23

## Geological Wonders

Pamukkale in Turkey is a geological wonder featuring white limestone terraces and hot springs. The name Pamukkale means "cotton castle" in Turkish.



The Chocolate Hills in Bohol, Philippines are a geological wonder and national monument. They are a unique formation of cone-shaped hills that are covered in lush greenery during the wet season and turn brown during the dry season.

The Richat Structure is a deeply eroded, slightly elliptical dome with a diameter of 40 kilometres (25 mi). The sedimentary rock exposed in this dome ranges in age from Late Proterozoic within the center of the dome to Ordovician sandstone around its edges.



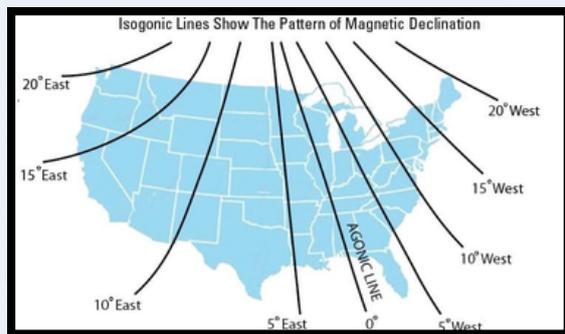
The Wave is a geological wonder in Arizona that is made of sandstone and is a popular destination for hikers and photographers.

# Chapter: 24

## ISOS

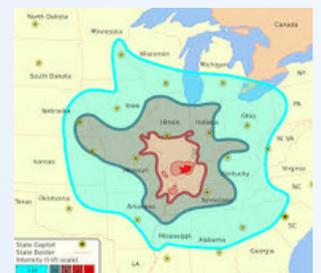
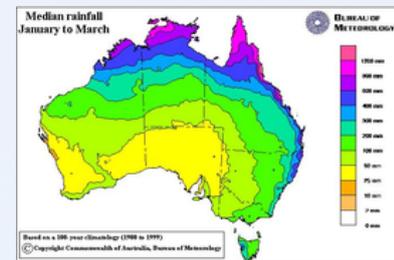
Sometimes, a map has lines drawn on it that depict very important elements of Geography. Given below are descriptions of the lines on a map. Read carefully and name them .You may use the Help Box

An isobar is a line on a map that shows a meteorologist what the pressure is at the surface of the earth. They are lines that connect equal points of pressure.



Isogonic lines: Isogonic lines are the lines joining points of equal declination at a time of observation. They do not form complete circles. They radiate from the south and north magnetic region and they are quite irregular near geographic poles.25 Jun 2024

An isohyet is a contour line drawn on maps that connect places or points that received the same amount of rainfall or precipitation at a given period of time. It is used to represent areas that received similar amount of rain or equal density of rain during a particular storm. An isohyet is a contour line drawn on maps that connect places or points that received the same amount of rainfall or precipitation at a given period of time. It is used to represent areas that received similar amount of rain or equal density of rain during a particular storm. An isohyet is a contour line drawn on maps that connect places or points that received the same amount of rainfall or precipitation at a given period of time. It is used to represent areas that received similar amount of rain or equal density of rain during a particular storm.



**An isoseismal map is used to show countour lines of equally felt seismic intensity, generally measured on the Modified Mercalli scale.**

## Lines that join places -

1. which have the same amount of sunlight
2. which have the same amount of rainfall
3. which have equal values of salinity
4. on the seabed having equal depth
5. which have the same atmospheric pressure
6. where an earthquake shock is of the same intensity
7. where the declination of the magnetic needle is the same
8. which have same mean annual or monthly temperature
9. which have equal average cloudiness
10. which have same mean winter temperature

## HELP BOX

**(a)Isobars (b)Isogonic (c)Isocheim (d)Iseismic (e)Isohyet (f)Isohalines  
(g)Isobaths (h)Isoneph (i)Isotherm (j)Isohel**

## ANSWERS:

1(J),2(E),3(F),4.(G),5(A),6(D),7(B),8(I),9(H),10(C)

# CURRENT AFFAIRS

1. Which country experienced a devastating earthquake on January 7, 2025?

- A) Japan
- B) China
- C) Indonesia
- D) India

Answer: B) China

2. Who was elected as the 14th president of Lebanon in January 2025?

- A) Michel Aoun
- B) Joseph Aoun
- C) Nabih Berri
- D) Samir Geagea

Answer: B) Joseph Aoun

3. Which commercial company became the first to land a spacecraft on the Moon in March 2025?

- A) SpaceX
- B) Blue Origin
- C) Firefly Aerospace
- D) Boeing

Answer: C) Firefly Aerospace

4. What major global event occurred in California in January 2025?

- A) Earthquake
- B) Wildfires
- C) Tsunami
- D) Floods

Answer: B) Wildfires

5. Who resigned as the Prime Minister of Canada in January 2025 after nine years in office?

- A) Pierre Trudeau
- B) Justin Trudeau
- C) Stephen Harper
- D) Jagmeet Singh

Answer: B) Justin Trudeau



6. Which country hosted the 2025 World Men's Handball Championship from January 14 to February 2?

- A) Spain
- B) Norway
- C) Croatia
- D) Denmark, Croatia, and Norway

Answer: D) Denmark, Croatia, and Norway

7. What did the Indian government plan to do in 2025 to achieve its GDP growth target of 6.5-7%?

- A) Cut taxes on luxury items
- B) Increase infrastructure spending and boost electric vehicle manufacturing
- C) Increase import tariffs
- D) Decrease export incentives

Answer: B) Increase infrastructure spending and boost electric vehicle manufacturing

8. What financial aid proposal was made by Australian Greens leader Adam Bandt for school students in January 2025?

- A) \$500 back-to-school payment
- B) \$800 back-to-school payment
- C) Free school uniforms
- D) Free laptops for students

Answer: B) \$800 back-to-school payment

9. Which sport's championship did Denmark win in January 2025?

- A) Football
- B) Basketball
- C) Handball
- D) Tennis

Answer: C) Handball

10. In which month did the Firefly Aerospace successfully land on the Moon in 2025?

- A) January
- B) February
- C) March
- D) April

Answer: C) March

