

- Q1** Recently, a state-of-the-art indigenous mobile hospital was deployed in Ayodhya. What is the name of this hospital?
 (A) BHISHM Cube (B) SAHYOG Cube
 (C) RAKSHA Cube (D) HIMADRI Cube
- Q2** Consider the following statements about Rampage Missile:
 1. It is a long-range, supersonic, air-to-ground missile.
 2. It is developed by the Iranian Military.
 Which of the statements given above is/are correct?
 (A) 1 only
 (B) 2 only
 (C) Both 1 and 2
 (D) Neither 1 nor 2
- Q3** What is the full form of "SMART" in the context of an anti-submarine warfare system?
 (A) Submarine Missile-Assisted Rapid Targeting
 (B) Supersonic Missile-Assisted Release of Torpedo
 (C) Strategic Missile for Advanced Reconnaissance and Targeting
 (D) Supersonic Multi-role Anti-submarine Radar Technology
- Q4** In May 2024, which of the following Indian Film Star has been appointed as an ambassador of UNICEF in India?
 (A) Deepika Padukone
 (B) Alia Bhatt
 (C) Diya Mirza
 (D) Kareena Kapoor Khan
- Q5** Which of the following is an air to air refueller aircraft?
 (A) Tejas (B) IL-78
 (C) Rafale (D) Sukhoi-30
- Q6** 'Tamso Ma Jyotirgamaya' or 'Lead us from darkness to light' is described in which of the following Upanishads?
 (A) Chandogya Upanishad
 (B) Mandukya Upanishad
 (C) Mundaka Upanishad
 (D) Brihadaranyaka Upanishad
- Q7** Which of the following pairs is **not** correctly matched?
 (A) Inter-state trade - Union List
 (B) Forest - Concurrent List
 (C) Public Health - State List
 (D) Marriage and divorce - Union List
- Q8** Which of the following statements about Project ISHAN is correct?
 (A) The full form of ISHAN is Indian Single Sky Harmonized Air Traffic Management.
 (B) There are ten Flight Information Regions (FIRs) in India.
 (C) This initiative also involves synchronizing Air Traffic Management operations from New Delhi.
 (D) India's four distinct Flight Information Regions (FIRs) are located in Mumbai, Kolkata, Delhi, and Bengaluru.
- Q9** Recently Rajnath Singh inaugurates country's first Indian Air Force Heritage Centre in which of the following city?
 (A) Mumbai (B) Delhi
 (C) Chandigarh (D) Patna
- Q10** The Mudrarakshasa, written by Vishakhadatta, is a drama in which of the following languages?
 (A) Pali (B) Prakrit
 (C) Sanskrit (D) Greek
- Q11** Maharashtra's Cultural Affairs Ministry has signed a memorandum of understanding (MoU) to bring back Chhatrapati Shivaji



Maharaj's legendary "Wagh Nakh." From which city is this weapon being brought back?

- (A) Paris
- (B) London
- (C) New York
- (D) Washington, D.C.

Q12 Which country has opened AeroSpace Services India (ASI), its Indian subsidiary, in New Delhi?

- (A) United States (B) Israel
- (C) Germany (D) Russia

Q13 Which among the following is not a compound of carbon?

- (A) Coke
- (B) Graphite
- (C) Diamond
- (D) Sodium chloride

Q14 How many players are in kho kho to play a match from each team?

- (A) 6 (B) 7
- (C) 8 (D) 9

Q15 Which of the following personalities became Indian the first to win an Academy Award, also known as Oscar Awards?

- (A) Satyajit Ray
- (B) A.R. Rahman
- (C) Bhanu Athaiya
- (D) Lata Mangeshkar

Q16 If the gravitational force of earth suddenly disappears, then which of the following is correct?

- (A) Both mass and weight becomes zero
- (B) Mass of the body is zero
- (C) Neither the weight nor the mass is zero.
- (D) Weight of the body is zero

Q17 Which one of the following items is **not** covered under GST ?

- (A) Cosmetics
- (B) Medical grade oxygen
- (C) Jewellery
- (D) Petrol

Q18 Which Indian state is the first to adopt a Road Safety Action Plan to reduce road accidents?

- (A) Maharashtra (B) Uttar Pradesh
- (C) Rajasthan (D) Tamil Nadu

Q19 What is the colour of Asia in the olympic flag ring?

- (A) White (B) Green
- (C) Yellow (D) Red

Q20 In which year and location did India win the first gold medal in football at the Asian Games?

- (A) 1962, Jakarta
- (B) 1951, New Delhi
- (C) 1970, Bangkok
- (D) 1982, New Delhi

Q21 Which of the following is a Chinese navigation satellite system?

- (A) GPS (B) Galileo
- (C) Beidou (D) Glonass

Q22 Which of the following is Amnesty International's main objective?

- (A) To promote international trade agreements and economic development
- (B) To initiate measures to prevent and end grave abuses of human rights
- (C) To advance scientific research and technological innovations
- (D) To reach the most disadvantaged children

Q23 Which is the main gas released in cigarette smoke which is highly injurious to health?

- (A) Carbon Monoxide (CO)
- (B) Carbon dioxide (CO₂)
- (C) Methane (CH₄)
- (D) Sulfur dioxide (SO₂)

Q24 With reference to the Food chain, consider the following statements:

1. The Grazing food chain begins with the primary consumer.



2. The Detritus food chain initiates its course with the decaying plant material as its primary source.
3. Saprophytes play a significant role in both grazing and detritus food chains.

Which of the statements given above is/are correct?

- (A) 1 and 2 only (B) 2 only
(C) 1, 2 and 3 (D) 2 and 3 only

Q25 Match List I with List II and select the correct answer using the code given below:

List I(Rivers)	List II(Their tributaries)
1. Yamuna	A. Teesta
2. Brahmaputra	B. Chambal
3. Godavari	C. Pravara
4. Kaveri	D. Bhavani

Codes:

- (A) 1 - B, 2 - A, 3 - C, 4 - D
(B) 1 - D, 2 - C, 3 - A, 4 - B
(C) 1 - A, 2 - B, 3 - D, 4 - C
(D) 1 - C, 2 - D, 3 - B, 4 - A



Answer Key

Q1 A
Q2 A
Q3 B
Q4 D
Q5 B
Q6 D
Q7 D
Q8 A
Q9 C
Q10 C
Q11 B
Q12 B
Q13 D

Q14 D
Q15 C
Q16 D
Q17 D
Q18 C
Q19 C
Q20 B
Q21 C
Q22 B
Q23 A
Q24 B
Q25 A



Hints & Solutions

Note: scan the QR code to watch video solution

Q1 Text Solution:

Explanation:

- The **BHISHM Cube, Bharat Health Initiative for Sahyog, Hita, and Maitri**, is a state-of-the-art indigenous mobile hospital recently deployed in Ayodhya.
- It is part of India's Project Aarogya Maitri, which aims to provide medical resources to countries facing natural disasters or humanitarian crises.
- The **BHISHM Cube is specifically designed to treat up to 200 casualties**, providing comprehensive care and rapid response capabilities.
- It also integrates advanced technologies like **Artificial Intelligence (AI) and data analytics to enhance disaster response and medical support during emergencies**.
- This deployment underscores **the importance of mobile hospital units in delivering immediate and effective medical assistance during critical situations**.

Hence, the correct answer is **option A**.

Q2 Text Solution:

Key Concept: Defence & Security

Why in news?

Israel recently deployed the highly effective air-to-surface missile known as the Rampage during an assault on an Iranian military facility.

Explanation:

Feature	Description
Type	Long-range, supersonic, air-to-ground, seekerless, precision strike missile
Developers	Israel Aerospace Industries and Israeli Military Industries Systems

Intended Targets	High-quality, well-protected targets including communication and command centers, air force bases, maintenance centers, and infrastructure
Length	4.7 meters (15.4 feet)
Weight	570 kilograms
Speed	Supersonic, making it challenging to identify and intercept with air defense systems
Range	Over 190 miles
Payload	150 kilograms of explosives
Warhead	Blast fragmentation or general-purpose warhead
Guidance System	GPS/INS (Global Positioning System/Inertial Navigation System) with anti-jamming capabilities
Flexibility	It can be fired from an aircraft or as a stand-alone system
Mid-flight Adjustment	Capable of adjusting its path mid-flight to hit programmed targets precisely
Operational Conditions	Can operate in any weather conditions, day or night



Hence the correct answer is **option A**.

Q3 Text Solution:

Explanation:

- **SMART** stands for **Supersonic Missile-Assisted Release of Torpedo**.
- It is a specialized system designed for **anti-submarine warfare (ASW)**



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operations.

- The system allows for the deployment of lightweight torpedoes at distances far beyond the **range of traditional torpedoes**.



Hence, the correct answer is **option B**.

Q4 Text Solution:

Key Concept: Person in news

Explanation:

- In its 75th year of partnership with India, UNICEF India appointed **Kareena Kapoor Khan, one of the most iconic stars of Indian Cinema, as the organization's National Ambassador**.
- She is appointed for UNICEF's **# For Every Child** campaign in the country.
- **Hence, the correct answer is option D.**

Q5 Text Solution:

Explanation:

- The **IL-78's** two removable 18,230l fuel tanks installed in the freight hold allow for a transferable load of 85,720kg (188,584lb) with hold tanks and 57,720kg (126,984lb) without hold tanks.
- It is a Soviet four-engined aerial refueling tanker. The Ilyushin IL-78 air-to-air refueling tanker aircraft is a four-engine tanker principally used for in-flight refueling.

Hence, the correct answer is **option (B)**.

Q6 Text Solution:

Explanation:

- **'Tamso Ma Jyotirgamaya' or 'Lead us from darkness to light'**.
- It is described in the **Brihadaranyaka Upanishad**.
- **Brihadaranyaka Upanishad** is one of the major Upanishads of the Hindu religion.
- This Upanishad is an Upanishad related to **Shukla Yajurveda**.

Hence, the correct answer is **option D**.

Q7 Text Solution:

Explanation:

- **Inter-state trade** is indeed under the **Union List** (A - Correct).
- **Forests** are under the **Concurrent List**, where both the Union and State governments can legislate (B - Correct).
- **Public health** is a subject under the **State List**, meaning it is primarily managed by state governments (C - Correct).
- However, **Marriage and divorce** are in the **Concurrent List**, not the Union List. Both the central and state governments can make laws on this subject (D - Incorrect).

Thus, the incorrect pair is **D**.

Q8 Text Solution:

Explanation:

The full form of ISHAN is **Indian Single Sky Harmonized Air Traffic Management**, which is correct. This program aims to optimize and improve air traffic management in India by harmonizing operations across the country.

- **India** has initiated the process of consolidating its **4 airspace regions** into a **single entity** under the **Indian Single Sky Harmonized Air Traffic Management (ISHAN)** initiative.



- Currently, Indian airspace is divided into **4 Flight Information Regions (FIRs)** in **Delhi, Mumbai, Kolkata, and Chennai**, each managed separately.
- Under **ISHAN**, these FIRs will be consolidated into one **continuous airspace**, with **Nagpur** as the central hub.
- The aim of ISHAN is to **streamline and enhance air traffic management** across India.
- The **Airports Authority of India (AAI)** has invited **Expressions of Interest (Eoi)** for the preparation of a **detailed project report** for ISHAN.
- **AAI** was constituted by an **Act of Parliament** and was established on **1st April 1995** by merging the **National Airports Authority** and the **International Airports Authority of India**.
- **AAI** operates under the **Directorate General of Civil Aviation (DGCA)**, which is a part of the **Ministry of Civil Aviation, Government of India**.

Hence the correct answer is option A.

Q9 Text Solution:

Key Concept: Defence and Security
Explanation-

- India's Defence Minister **Rajnath Singh** opened the country's first **Indian Air Force Heritage Centre** in Chandigarh on 8 May, under a memorandum of understanding between the **Indian Air Force** and the **Union Territory of Chandigarh.**
- The centre spreads over 17,000 square feet and

celebrates the Indian Air Force's role in previous conflicts such as the 1965, 1971, and **Kargil Wars**, as well as the Balakot air strike, through murals and memorabilia.

Hence, the correct answer is option C.

Q10 Text Solution:

Key Points:

- **The Mudrarakshasa, a Sanskrit drama authored by Vishakhadatta, depicts events from the Gupta period.**
- Despite its Gupta period setting, the drama narrates the story of Chandragupta's overthrow of the Nandas with the guidance of Kautilya.
- Additionally, it provides insights into the socio-economic conditions during the Mauryan era.

Hence, the correct answer is option C.

Q11 Text Solution:

Explanation:

Chhatrapati Shivaji Maharaj's legendary "Wagh Nakh" (Tiger Claw) is currently housed at the Victoria and Albert Museum in London. This museum is known for its extensive collection of historical artefacts and art.

- The 'wagh nakh,' literally translating to '**tiger claws**,' is a unique medieval dagger used across the **Indian subcontinent**.
 - This fearsome weapon featured **four or five curved blades** affixed to a glove or a bar, designed for **personal defence or stealth attacks**.
 - Its sharp blades were capable of slicing through skin and flesh with



ease.

Hence, the correct answer is **option B**.

Q12 Text Solution:

Explanation:

Israel Aerospace Industries (IAI) setting up **AeroSpace Services India (ASI)** is a significant step in promoting India's "**Atmanirbhar Bharat**" (self-reliant India) and "**Make in India**" initiatives. Here's how this development aligns with these visions:

1. **Atmanirbhar Bharat Vision:** This initiative focuses on making India more self-reliant by promoting domestic manufacturing, reducing dependence on imports, and strengthening local industries, especially in strategic sectors like defense and aerospace. By setting up ASI, IAI is supporting this vision by contributing to indigenous aerospace capabilities, allowing India to locally produce and service critical defense technologies.
2. **Make in India Initiative:** This campaign encourages global companies to manufacture their products in India, creating jobs, enhancing skills, and boosting India's economy. IAI's establishment of ASI is a direct result of this initiative, as it involves transferring knowledge, setting up local production facilities, and potentially creating a supply chain network that benefits Indian industries.

Hence the correct answer is **option B**.

Q13 Text Solution:

The correct answer is:

D. Sodium chloride

Sodium chloride (NaCl) is a compound of sodium (Na) and chlorine (Cl), not carbon. The other options—coke, graphite, and diamond—are all forms of carbon.

1. **Coke:** Coke is a carbon-rich solid material derived from coal or oil. It's primarily composed of carbon, used mainly in steelmaking and as a fuel.
2. **Graphite:** Graphite is a naturally occurring form of crystalline carbon. It is one of the allotropes of carbon, where the atoms are arranged in a hexagonal lattice. Graphite is used in pencils, batteries, and as a lubricant.
3. **Diamond:** Diamond is another allotrope of carbon, where the carbon atoms are arranged in a crystal structure called a diamond cubic. Diamonds are known for their hardness and are used in jewelry and cutting tools.
4. **Sodium Chloride (NaCl):** Sodium chloride, commonly known as table salt, is a chemical compound composed of sodium (Na) and chlorine (Cl) ions. It does not contain carbon and is therefore not a carbon compound.

So, among the given options, **Sodium Chloride (NaCl)** is the only one that is not a compound of carbon.

Q14 Text Solution:

Explanation:

Number of Players in Different Sports:

Game	Number of Players
Badminton	Singles: 1 player per side Doubles: 2 players per side
Baseball	9 players per team
Basketball	5 players per team
Billiards/Snooker	1 player
Boxing	1 player
Bridge	2 players per partnership (4 players in total)
Chess	1 player
Cricket	11 players per team
Croquet	13 or 15 players in total
Football (Soccer)	11 players per team



Hence, the correct answer is **option D**.

Q15 Text Solution:

Explanation:

- **Bhanu Athaiya made history in 1983** by becoming the first Indian to win an Academy Award.
- She won the **Oscar for Best Costume Design for her work on Richard Attenborough's film Gandhi**.
- This achievement marked a significant milestone for Indian cinema and its recognition on an international stage.

Hence, the correct answer is **option C**.

Q16 Text Solution:

Explanation

The correct option is:

D. Weight of the body is zero

Explanation:

- **Mass** is an intrinsic property of an object and does not depend on gravity. It remains constant regardless of location or the presence of gravitational force.
- **Weight**, on the other hand, is the force exerted by gravity on an object. It is calculated as the product of mass and the acceleration due to gravity ($W = mg$). If Earth's gravitational force suddenly disappears, the acceleration due to gravity (g) becomes zero, making the weight of any object zero.

So, the mass of the body remains the same, but its weight becomes zero.

Q17 Text Solution:

Key point:

- GST (Goods and Services Tax) is an indirect tax.
- Implemented on 1st July 2017.

- It is of three types:- CGST levied by centre, SGST levied by state, IGST levied on all interstate supplies of goods and services.
- Headed by the Union finance minister.

Explanation: Not covered under GST:-

- Petrol, high speed diesel, Crude oil, aviation turbine fuel.
- Natural gas, Alcohol for human consumption and electricity.

Hence, the correct option is **(d)**.

Q18 Text Solution:

Explanation:

- **Rajasthan** is the first state in India to adopt a **10-year road safety action plan to reduce road accidents by 50% by 2030**.
- The plan is part of the **state government's 100-day blueprint** and is being developed by the Transport Department's road safety cell.
- The plan aims to raise public awareness about road safety and encourage behavioural changes to comply with road safety rules.
- It also incorporates **international best practices and inter-departmental coordination to create safer roads**.
- The plan is a collaboration with the World Bank and intends to set an example for other states.

Hence, the correct answer is **option C**.

Q19 Text Solution:

Explanation:

- According to the Olympic Charter, the Olympic symbol features five rings in different colours, each representing one of the continents.
- The colours used are blue, representing Europe; yellow, representing Asia; black,



representing Africa; green, representing Oceania; and red, representing the Americas.

Hence, the correct answer is **option C**.

Q20 Text Solution:

Explanation:

India won the gold medal in football at the Asian Games in 1951, which were held in New Delhi.

- India won the **Asian Games football gold medal** for the first time in **1951**.
- The **first Asian Games** was hosted by **India** in **1951**.
- The Asian Games is a **continental multi-sports event** held every **four years** among athletes from all across Asia.
- The motto of the Asian Games is '**Ever Onward**'.
- The **first Asian Games** began in New Delhi on **March 4, 1951**.
- The Asian Games is also known as '**Asiad**'.
- It was regulated by the **Asian Games Federation** from **1951 to 1978**.
- Since **1982**, the **Olympic Council of Asia** has regulated the Asian Games.

Hence, the correct answer is **option B**.

Q21 Text Solution:

Explanation:

- **GPS** is the navigation satellite system developed by the United States.
- **Galileo** is the satellite navigation system developed by the European Union.
- **Beidou** is the satellite navigation system developed by China.
- **Glonass** is a navigation satellite system developed by Russia.

Hence, the correct answer is **option C**.

Q22 Text Solution:

Explanation:

- **Amnesty International's** primary objective is to conduct thorough research and take action to prevent and end severe human rights abuses.
- Additionally, the organization provides support to individuals and communities whose **human rights have been violated, working towards ensuring justice and accountability**.

Hence, the correct answer is **option B**.

Q23 Text Solution:

The main gas released in cigarette smoke that is highly injurious to health is:

A. Carbon Monoxide (CO)

Carbon monoxide is a toxic gas that reduces the oxygen-carrying capacity of the blood, leading to various health issues, including cardiovascular diseases.

Cigarette smoke contains over 7,000 chemicals, many of which are harmful to health. Among these, **carbon monoxide (CO)** is particularly dangerous. Here's why:

1. How Carbon Monoxide Affects the Body:

- **Oxygen Deprivation:** Carbon monoxide binds with hemoglobin in the blood much more readily than oxygen does. Hemoglobin is the protein in red blood cells responsible for transporting oxygen throughout the body. When CO binds to hemoglobin, it forms carboxyhemoglobin, which reduces the blood's ability to carry oxygen to tissues and organs. This can lead to hypoxia (oxygen deficiency), impairing the function of vital organs, including the brain and heart.
- **Increased Risk of Heart Disease:** The presence of carbon monoxide in the



blood increases the risk of cardiovascular diseases, such as heart attacks and strokes. Smokers have higher levels of carboxyhemoglobin in their blood, which stresses the heart as it works harder to deliver oxygen throughout the body.

- **Respiratory Problems:** Chronic exposure to carbon monoxide from cigarette smoke can contribute to the development of chronic obstructive pulmonary disease (COPD), a group of lung conditions that cause breathing difficulties.

2. Comparison with Other Gases:

- **Carbon Dioxide (CO₂):** While CO₂ is present in cigarette smoke, it is not as harmful as carbon monoxide. CO₂ is a natural byproduct of respiration and is less toxic, though in high concentrations, it can still cause harm.
- **Methane (CH₄):** Methane is also present in small quantities in cigarette smoke, but it is not particularly harmful in the context of smoking. Its effects are more relevant to environmental concerns, as it is a potent greenhouse gas.
- **Sulfur Dioxide (SO₂):** Sulfur dioxide is a harmful gas, but it is not a significant component of cigarette smoke. It is more commonly associated with air pollution from burning fossil fuels.

3. Why CO is a Focus:

- **Pervasiveness in Smoke:** Carbon monoxide is present in significant quantities in cigarette smoke, making it one of the primary toxic substances that contribute to the harmful effects of smoking.
- **Immediate Toxicity:** Unlike some other chemicals in cigarette smoke that cause

harm over time, carbon monoxide has immediate toxic effects on the body by reducing oxygen availability.

In summary, carbon monoxide (CO) is the main gas released in cigarette smoke that is highly injurious to health due to its ability to impair oxygen delivery throughout the body, contributing to a wide range of serious health issues.

Q24 Text Solution:

Ans: B

Exp:

Statement 1 is incorrect: The food chain is a **linear sequence** of eating and being eaten. It can also be defined as a linear sequence of organisms where **nutrients** and **energy** are **transferred** from one organism to another. **Energy flows** through **trophic levels** in an ecosystem. Trophic levels are **steps** or **relative positions or feeding positions** of species in the **food chain** or **food web**. In the **Grazing Food Chain**, the food chain **starts** with the **green plants**, not **primary consumers** at the **base**. The **primary consumers** are the **herbivores**. **Example:** Grasses (plant) Grasshopper Frog Snake Eagle.

Statement 2 is correct: **Detritus Food Chain** starts from **dead organic matter** of **decaying plants** and animal bodies present in the **soil** and consumed by the **microorganisms** and then to detritus-feeding organisms such as **detritivores** or decomposers (**saprophytes**) and other **predators**. **Examples:** Litter (decaying material of plants and animals) Earthworms Bird Hawk.

Statement 3 is incorrect: The detritus-feeding organisms such as **detritivores** or decomposers (**saprophytes**) play an important role only in the **Detritus Food Chain**, not the **Grazing food chain**.

Q25 Text Solution:



Explanation:

- **Yamuna - B. Chambal** (Chambal is a major tributary of the Yamuna)
- **Brahmaputra - A. Teesta** (Teesta is a tributary of the Brahmaputra)

- **Godavari - C. Pravara** (Pravara is a tributary of the Godavari)
- **Kaveri - D. Bhavani** (Bhavani is a tributary of the Kaveri)

Hence, the correct answer is option (A).



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