

# AFCAT

## General Awareness

### AFCAT Memory Based Paper - 17 Feb 2024

- Q1** Exercise BRIGHT STAR-23 was conducted between which of the following countries?  
(A) India and Russia  
(B) Egypt and Russia  
(C) United States and India  
(D) United States and Egypt
- Q2** Which of the following countries hosted BRICS 2023 summit?  
(A) Russia (B) South Africa  
(C) Brazil (D) China
- Q3** Predator Drone was manufactured by which of the following country?  
(A) Russia (B) Japan  
(C) Israel (D) United States
- Q4** Which of them was awarded the Ramon Magsaysay Award 2023?  
(A) Korvi Rakshand  
(B) Dwayne Johnson  
(C) Rohinton Mistry  
(D) Eleanor Roosevelt
- Q5** The Mohiniattam dance is performed by women in honour of which Hindu god?  
(A) Lord Krishna (B) Lord Shiva  
(C) Lord Vishnu (D) Lord Ganesha
- Q6** The joint exercise between India & Sri Lanka conducted in Pune in November 2023?  
(A) Exercise Bright Star  
(B) Exercise Vajra Prahar  
(C) Exercise Mitra Shakti  
(D) Exercise Garud
- Q7** Sports terminology Chinaman is related to which of the following sport?  
(A) Cricket (B) Lawn Tennis  
(C) Volley Ball (D) Football
- Q8** Who was the founder of the Satyashodhak Samaj?  
(A) Jyotirao Phule  
(B) Dr. B. R. Ambedkar  
(C) Mahatma Gandhi  
(D) Dada Bhai Naoroji
- Q9** The highest rank in the Indian Airforce is known as:  
(A) Brigadier General  
(B) Major General  
(C) Marshal of the Air Force  
(D) None
- Q10** In which of the following states Gahirmatha wildlife sanctuary is located?  
(A) Kerala (B) Odisha  
(C) Karnataka (D) Tamil Nadu
- Q11** Which article is BR Ambedkar called "Heart and soul of the Constitution"?  
(A) Article 32 (B) Article 21  
(C) Article 29 (D) Article 30
- Q12** Which of the following is the landing date of Chandrayaan-3?  
(A) August 29, 2023  
(B) August 25, 2023  
(C) August 23, 2023  
(D) August 24, 2023
- Q13** Which of the following Gupta rulers received the title "Kaviraja"?  
(A) Chandragupta  
(B) Chandragupta II  
(C) Samudragupta  
(D) Kanishka



- Q14** Which one of the following process occur during the photosynthesis, in plants?  
 (A) light energy is converted into electrical energy  
 (B) light energy is converted into chemical energy  
 (C) chemical energy is converted into light energy  
 (D) chemical energy is converted into kinetic energy
- Q15** Quinine is generally used for the treatment of malaria is obtained from plants. From which part of the plant it is prepared?  
 (A) Fruit (B) Bark  
 (C) Leaves (D) Roots
- Q16** Which of the following is the primary cause of Tsunami?  
 (A) Tectonic Eruption  
 (B) Submarine Earthquake  
 (C) Volcanic Eruption  
 (D) None of the above
- Q17** Which of the following correctly describes the principle of the working of a pressure cooker?  
 (A) The increase in pressure inside the pressure cooker increases the boiling point of the water.  
 (B) The increase in pressure inside the pressure cooker decreases the boiling point of the water.  
 (C) As the steam is produced, the pressure inside the pressure cooker decreases which decreases the boiling point of the water.  
 (D) None of the above
- Q18** Geetanjali book was written by which of the following personalities?  
 (A) Bankim Chandra Chattopadhyay  
 (B) Mahatma Gandhi  
 (C) Rabindranath Tagore  
 (D) Sarojini Naidu

- Q19** Match the List I with List II and select the correct answer using the code given below:

| List I (Intelligence Agencies)     | List II (Countries) |
|------------------------------------|---------------------|
| A. Federal Beauru of Investigation | 1. Russia           |
| B. Mossad                          | 2. United States    |
| C. FSB                             | 3. Germany          |
| D. Federal Intelligence Service    | 4. Israel           |

Code:

- (A) A-2, B-4, C-1, D-3  
 (B) A-1, B-3, C-2, D-4  
 (C) A-2, B-3, C-1, D-4  
 (D) A-4, B-2, C-1, D-3
- Q20** Who was the first Indian woman to win gold medal at the Olympics?  
 (A) Karnam Malleswari  
 (B) Sakshi Malik  
 (C) Mary Kom  
 (D) Saina Nehwal
- Q21** Which of the following are commercial banks assets?  
 (A) Deposits (B) Loans  
 (C) Borrowings (D) Capital
- Q22** Nashik is situated on the banks of which of the following river ?  
 (A) Tapti river (B) Mahanadi river  
 (C) Godavari river (D) Kaveri river
- Q23** Who won 2023 Dadasaheb Phalke Award?  
 (A) Asha Parekh  
 (B) Amitabh Bachchan  
 (C) Waheeda Rehman  
 (D) Rajesh Khanna
- Q24** Which of the following pair is *incorrectly* matched?  
 (A) Bal Gangadhar Tilak - Kesari  
 (B) Jawahar Lal nehru - Nav Jivan  
 (C) Mahatma Gandhi - National Herald  
 (D) Maulana Abul Kalam Azad - Al Hilal



**Q25** Which of the statements given above is/are correct about Niti Ayog?  
(A) It is a public policy think tank body in India.

(B) It is a constitutional body.  
(C) It was established in 2010.  
(D) President is the chairperson of Niti Ayog.



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# Answer Key

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

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



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# Hints & Solutions

Note: scan the QR code to watch video solution

## Q1 Text Solution:

### Explanation:

- **Exercise Bright Star - 23** was created as a training exercise between the **United States and Egypt** during the 1977 Camp David Accord.
- Its first edition was conducted in 1980 and it expanded to include other countries in 1995.

Hence, the correct answer is option (D).

## Q2 Text Solution:

### Explanation:

- **South Africa** as BRICS Chair in 2023, Development, and Inclusive Multilateralism'.
- The theme emphasises the continued value of BRICS as a partnership of leading emerging markets and developing countries providing leadership and momentum towards global growth and sustainable development.
- The 1st BRIC summit was held in Yekaterinburg, Russia on **16 June 2009**. BRIC group was renamed as **BRICS (Brazil, Russia, India, China, South Africa)** after South Africa was accepted as a full member at the BRIC Foreign Ministers' meeting in New York in September 2010.

Hence, the correct answer is option (B).

## Q3 Text Solution:

### Explanation:

- **Role:** Remote piloted aircraft/unmanned combat aerial vehicle
- **National origin:** United States

- **Manufacturer:** General Atomics Aeronautical Systems
- The genius and innovative mind behind the predator or drone is **Abraham E. Karem**. He is also called as the Father of UAV Technology.
- UAV stands for Unmanned Aerial Vehicles.
- **A Predator drone can carry around 1,700 kg of payload, including four missiles and around 450 kg of bombs, and travel 2,000 miles without refuelling.**
- The drone can fly continuously or hover over targets for up to 35 hours, according to General Atomics Aeronautical Systems, its manufacturer.

Hence, the correct answer is option (D).

## Q4 Text Solution:

### Explanation:

- **Korvi Rakshand from Bangladesh, Eugenio Lemos from Timor-Leste, Miriam Coronel-Ferrer from the Philippines, and Dr. Ravi Kannan R. from India** were honoured as recipients of the Ramon Magsaysay Award in 2023.
- In addition to the prestigious recognition, each awardee received a certificate, a medallion featuring the likeness of the **late President Ramon Magsaysay, and a monetary prize of USD 50,000.**
- These individuals were lauded for their outstanding contributions in fields ranging from **education and community development to peacebuilding and public health, demonstrating exemplary leadership and dedication to improving the lives of others.**



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Hence, the correct answer is option (A).

**Q5 Text Solution:**

**Explanation:**

- **Mohiniattam**, (Malayalam: "dance of the enchantress") semiclassical dance form from the state of **Kerala, southwestern India**.
- The dance is performed by women in honour of the Hindu god **Vishnu** in his incarnation as the enchantress Mohini.

Hence, the correct answer is option (C).

**Q6 Text Solution:**

**Explanation:**

- The **Mitrashakti 2023 joint military drill**, conducted in partnership between the **Indian Army and the Sri Lankan Army**, concluded at Pune's southern command foreign training node.
- Spanning 12 days, the exercise sought to enhance mutual comprehension of operational strategies and tactics.

Hence, the correct answer is option (C).

**Q7 Text Solution:**

**Explanation:**

- The sports terminology "**Chinaman**" is related to **cricket**.
- It refers to a **left-arm wrist-spin delivery bowled by a left-arm orthodox spinner**, which turns into the right-handed batsman.

Hence, the correct answer is option (A).

**Q8 Text Solution:**

**Explanation:**

- **Jyotiba Phule** founded the **Satyashodhak Samaj in Pune, Maharashtra**.

- He established the organization in **1873** to promote **social equality, education, and the upliftment of oppressed classes in India**, challenging caste discrimination and advocating for the rights of marginalized communities.

Hence, the correct answer is option (A).

**Q9 Text Solution:**

**Explanation:**

- **Marshal of the Air Force** is a **five star rank** and the **highest attainable rank in the Indian Air Force**.
- Marshal of the Air Force is ranked immediately above Air Chief Marshal.
- It is a ceremonial or wartime rank, having been awarded only once.

Hence, the correct answer is option (C).

**Q10 Text Solution:**

**Explanation:**

- **Gahirmatha Marine Sanctuary** is a marine wildlife sanctuary located in **Odisha** and is a very popular tourist attraction of Odisha in India. It is the world's largest nesting beach for **Olive Ridley Turtles**.
- It extends from Dhamra River mouth in the north to Brahmani river mouth in the south.
- It is very famous for its nesting beach for olive ridley sea turtles.
- It is one of the world's most important nesting beaches for turtles.

Hence, the correct answer is option (B).

**Q11 Text Solution:**

**Explanation:**

- **B.R. Ambedkar** referred to **Article 32 of the Indian Constitution** as the "**heart and soul of the Constitution**."



- This article guarantees the right to constitutional remedies, which allows citizens to move the Supreme Court of India to seek enforcement of their fundamental rights.
- Ambedkar considered this provision crucial for upholding and protecting the fundamental rights of Indian citizens.

Hence, the correct answer is option (A).

**Q12 Text Solution:**

**Explanation:**

- Chandrayaan-3, India's latest lunar mission, marked a historic achievement as it successfully landed near the Moon's south pole on **August 23, 2023**, making India the first country to accomplish this feat.

Hence, the correct answer is option (C).

**Q13 Text Solution:**

**Explanation:**

- **Samudragupta** adopted the title of **Kaviraja (King of poets)**.
- He was an expert '**Veena**' player.
- Gupta King Samudragupta loved to play the flute and love poems.
- Renowned for his patronage of the arts and his own poetic talents, Samudragupta's reign marked a significant cultural and intellectual period in the Gupta Empire.

Hence, the correct answer is option (C).

**Q14 Text Solution:**

The correct answer is B

**Explanation:**

- During photosynthesis, light energy from the sun is converted into chemical energy in the form of glucose.

- This process occurs in the chloroplasts of plant cells, where chlorophyll absorbs light energy and uses it to drive the synthesis of glucose from carbon dioxide and water.
- This glucose serves as a source of energy for the plant.

Hence, the correct option is 'B'.

**Q15 Text Solution:**

**Explanation:**

- Quinine, an alkaloid used for the treatment of malaria, is obtained from the bark of the cinchona tree.
- The cinchona tree, specifically the species *Cinchona officinalis* and others in the genus *Cinchona*, is native to South America.
- The bark of this tree contains quinine and other related compounds, which have been used for centuries to treat malaria.
- The process involves harvesting the bark, drying it, and then extracting the quinine through various chemical processes. Historically, the use of quinine was a major advancement in the fight against malaria.

So, the correct answer is **B. Bark**

- The bark of the cinchona tree is the part from which quinine is prepared.

**Q16 Text Solution:**

**Explanation:**

- Tsunami is a series of waves generated by violent seafloor movements associated with underwater **earthquakes, meteorite impact, Landslides on the seafloor, volcanic eruptions, etc.**





- However, the most common cause of a Tsunami is **earthquakes under the seawater**.

Hence, the correct answer is option (B).

#### Q17 Text Solution:

##### Key concept:

The principle of the working of a pressure cooker is based on the property of increasing the boiling point of water with increase in pressure.

##### Explanation:

- A pressure cooker is a sealed cooking pot with a locking lid.
- As the steam is produced, it increases the pressure inside the sealed environment of the pressure cooker.
- The increase in pressure inside the pressure cooker also increases the boiling point of the water.

Hence, the correct option is 'A'.

#### Q18 Text Solution:

##### Explanation:

- The book **Geetanjali** was authored by **Rabindranath Tagore**.
- **Rabindranath Tagore** was also known as Gurudev, was a Bengali polymath-poet, writer, composer, philosopher, and painter.
- He was the first non- European and first Bengali to receive the **Nobel Prize for Literature(1913)**.

Hence, the correct answer is option (C).

#### Q19 Text Solution:

##### Explanation:

- The **Federal Bureau of Investigation (FBI)** is the domestic intelligence and security service of the

**United States** and its principal federal law enforcement agency.

- The **Institute for Intelligence and Special Operations** popularly known as **Mossad**, is the national intelligence agency of the State of Israel. It is one of the main entities in the **Israeli Intelligence Community**, along with Aman (military intelligence) and Shin Bet (internal security).
- **Federal Security Service (FSB)**, **Russian** internal security and counterintelligence service created in 1994 as one of the successor agencies of the Soviet-era KGB. It is responsible for counterintelligence, antiterrorism, and surveillance of the military.
- The **Federal Intelligence Service**, pronounced is the foreign intelligence agency of **Germany**, directly subordinate to the Chancellor's Office. The BND headquarters is located in central Berlin.

Hence, the correct answer is option (A).

#### Q20 Text Solution:

##### Explanation:

- India's first woman to win an Olympic medal – **Karnam Malleswari** – Weightlifting.
- At the Sydney 2000 Olympic Games, weightlifter Karnam Malleswari marked her place in Olympic and Indian sports history.

Hence, the correct answer is option (A).

#### Q21 Text Solution:

##### Explanation:

- A bank can have different types of assets, including physical assets, such as equipment and land; **loans, including interest from consumer and business loans; reserves, or holdings of deposits**





of the central bank and vault cash;  
and investments, or securities.

Hence, the correct answer is option (B).

**Q22 Text Solution:**

**Explanation:**

- Nashik is an ancient city in the northwest region of Maharashtra in India.
- Situated on the banks of **Godavari river** Nashik is best known for being one of Hindu pilgrimage sites, that of Kumbh Mela which is held every 12 years.

Hence, the correct answer is option (C).

**Q23 Text Solution:**

**Explanation:**

- Veteran actor **Waheeda Rehman** has been chosen as the recipient of the **53rd Dadasaheb Phalke Award**, India's highest film honor. Rehman, known for her beauty and acting skills, has left an indelible mark on Indian cinema.

Hence, the correct answer is option (C).

**Q24 Text Solution:**

**Explanation:**

- **Bal Gangadhar Tilak**, a prominent figure in the Indian independence movement, was associated with the **Marathi newspaper Kesari**.
- **Jawaharlal Nehru**, the first Prime Minister of independent India, was associated with **Navjivan**.

- **Mahatma Gandhi** was associated with **Young India and Harijan**, not National Herald. **National Herald** was associated with **Jawaharlal Nehru and the Indian National Congress**.
- **Maulana Abul Kalam Azad**, a prominent **Indian freedom fighter, scholar**, and the first Minister of Education in independent India, was associated with **Al-Hilal**.

Hence, the correct answer is option (C).

**Q25 Text Solution:**

**Explanation:**

- A. "It is a public policy think tank body in India." - **This statement is correct.** Niti Aayog (National Institution for Transforming India) is indeed a public policy **think tank body in India**.
- B. "It is a constitutional body." - **This statement is incorrect.** Niti Aayog is **not a constitutional body**. It was formed by an executive order of the Government of India in 2015, replacing the erstwhile Planning Commission.
- C. "It was established in 2010." - **This statement is incorrect.** Niti Aayog was established on January 1, 2015, not in 2010.
- D. "President is the chairperson of Niti Ayog." - This statement is incorrect. The Prime Minister of India serves as the chairperson of Niti Aayog, not the President.

Hence, the correct answer is option (A).



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