

AFCAT Memory Based Paper - 16 Feb 2024

General Awareness

- Q1** The Operation Zindagi was launched for:
(A) Bring back Indian Nationalists from Afghanistan.
(B) Rescue operation in Lhonak Lake
(C) Rescue operation in Silkyara Bend - Barkot tunnel collapse
(D) Distribution of covid - 19 vaccine
- Q2** What is the basic difference between Fundamental rights and DPSPs?
(A) Judicial Protection
(B) Political Protection
(C) Constitutional Protection
(D) None of the above
- Q3** Anti-defection is present in which of the following schedule of the constitution?
(A) 10th schedule (B) 11th schedule
(C) 12th schedule (D) 9th schedule
- Q4** Operation Vajra Prahar, which is a bilateral Indo-US Joint Special Forces exercise, was held in?
(A) Umroi (B) Bakloh
(C) Ranikhet (D) Goa
- Q5** Who among the following is appointed as the head of the railway board?
(A) Jaya Varma Sinha
(B) Ayesha Khan
(C) Priya Sharma
(D) Deepika Gupta
- Q6** Which of the following site is designated for the landing of Chandrayaan-3, India's lunar mission?
(A) Shiv Shakti Point
(B) Chandranagar Point
(C) Indira Point
(D) Vikram Point
- Q7** Which of the following submarine is the fifth Scorpene-class vessel commissioned by the Indian Navy?
(A) INS Vagshir (B) INS Vagir
(C) INS Virat (D) INS Arihant
- Q8** In cricket match, while catching a fast-moving ball, a fielder in the ground gradually pulls his hands backwards with the moving ball to reduce the velocity to zero. This is an example of which of the following laws?
(A) Newton's first law of motion
(B) Newton's second law of motion
(C) Newton's third law of motion
(D) law of conservation of energy
- Q9** The number of pair of chromosomes in human being is
(A) 46 (B) 22
(C) 23 (D) 44
- Q10** Which woman was the first to win a gold medal in boxing at the Commonwealth Games?
(A) Lovlina Borgohain
(B) Nikhat Zareen
(C) MC Mary Kom
(D) Jaismine Lamboria
- Q11** Which part of human heart pumps oxygenated blood to body parts?
(A) Left ventricle
(B) Right ventricle
(C) Left atrium
(D) Right atrium
- Q12** At which of the following places is the College of Defence management located?
(A) New Delhi (B) Bengaluru
(C) Telangana (D) Chennai
- Q13** Which of the following is an example of Mixed Economy?
(A) Rich and Poor
(B) Small Industry and Large Economy



- (C) Public and Private Sector
(D) None of the above

Q14 Match the List I with List II and select the correct answer using the code given below:

List I (State/UT)	List II (Tribes)
A. Andaman & Nicobar	1. Bodo
B. Assam	2. Jarwas
C. Jharkhand	3. Bhil
D. Madhya Pradesh	4. Santhal

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

Q15 The First Battle of Panipat, which was fought in 1526, was between Babur and whom?

- (A) Ibrahim Lodhi
(B) Sikandar Lodhi
(C) Bahlol Lodhi
(D) Sher Shah Suri

Q16 Which country does the C295 Airbus Company belong to?

- (A) Israel (B) USA
(C) Spain (D) Russia

Q17 Which of the following is the motto of the G-20 Summit 2023?

- (A) Recover Together, Recover Stronger
(B) One Earth, One Family, One Future
(C) People, Planet, Prosperity
(D) Realizing Opportunities of the 21st Century for All

Q18 Who among the following won the Satyajeet Ray Life time achievement award 2023?

- (A) Carlos Saura
(B) Michael Douglas

- (C) Waheeda Rehman
(D) Martin Scorsese

Q19 Who has the power to advise the president of India under Article 143?

- (A) Supreme Court of India
(B) High Court of India
(C) District Courts
(D) All of the above

Q20 Which of the following factors least affects terrestrial ecosystems?

- (A) Water (B) Temperature
(C) Sunlight (D) Wind

Q21 Which of the following lake is the largest salt lake in India?

- (A) Wular Lake (B) Sambhar lake
(C) Kolleru Lake (D) Vembanad Lake

Q22 Which of the following country is *not* a member of SAARC?

- (A) Sri-Lanka (B) India
(C) Bangladesh (D) China

Q23 'Discovery of India' book written by Jawaharlal Nehru in which of the following jail?

- (A) Madras Central Jail
(B) Ahmadnagar Fort Jail
(C) Tihar Jail
(D) Bombay Jail

Q24 Who presided the 1905 Congress session?

- (A) Dadabhai Naoroji
(B) Ras Behari Ghosh
(C) Lal Mohan Ghosh
(D) Gopal Krishna Gokhale

Q25 In which year Indian removed the word 'Royal' from its Air Force?

- (A) 1947 (B) 1949
(C) 1950 (D) 1951



Answer Key

Q1 (C)

Q2 (A)

Q3 (A)

Q4 (A)

Q5 (A)

Q6 (A)

Q7 (B)

Q8 (B)

Q9 (C)

Q10 (C)

Q11 (A)

Q12 (C)

Q13 (C)

Q14 (B)

Q15 (A)

Q16 (C)

Q17 (B)

Q18 (B)

Q19 (A)

Q20 (D)

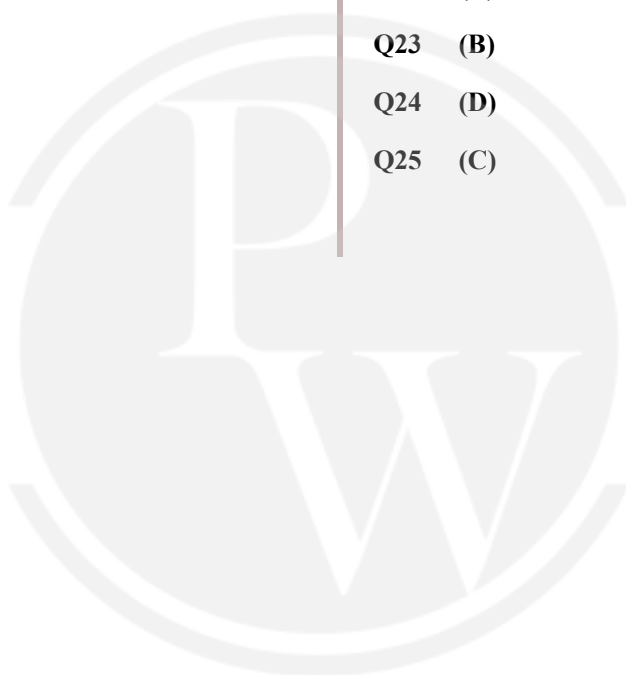
Q21 (B)

Q22 (D)

Q23 (B)

Q24 (D)

Q25 (C)

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Hints & Solutions

Q1 Text Solution:**Explanation:**

- The state government initiated **Operation Zindagi**, a monumental and extraordinary rescue mission aimed at saving 41 workers who were trapped for **17 days following the collapse of the Silkyara Bend - Barkot tunnel in Uttarakhand, India.**

Hence, the correct answer is option (C).

Q2 Text Solution:**Explanation:**

- **Fundamental Rights** are **justiciable and enforceable**, meaning citizens can approach courts if these rights are violated.
- They are considered sacrosanct and inviolable, providing individuals with legal protection.
- **Directive Principles of State Policy** are **non-justiciable and not enforceable by courts.**

Hence, the correct answer is option (A).

Q3 Text Solution:**Explanation:**

- Anti-defection laws are enshrined in the **10th Schedule of the Indian Constitution.**
- This schedule was added via the **52nd Amendment Act, 1985**, to address the **issue of political defections by legislators.**
- It lays down the procedures for disqualification of members of Parliament and state legislatures on grounds of defection.
- The law prohibits elected members from defecting from their party without facing disqualification.
- This measure aims to promote stability and integrity in the political system by discouraging opportunistic party-switching.

Hence, the correct answer is option (A).

Q4 Text Solution:**Explanation:**

- The 14th edition of the Indo-US Joint Special Forces exercise, "**VAJRA PRAHAR 2023**," kicked off at the Joint Training Node in **Umroi, Meghalaya.**
- This exercise aims to enhance interoperability and share best practices between the special forces of both nations, focusing on various tactical operations and training scenarios.

Hence, the correct answer is option (A).

Q5 Text Solution:**Explanation:**

- The appointment of Jaya Varma Sinha as the first woman Chairperson and CEO of the Railway Board marks a significant moment in the 170-year history of the rail transporter.
- Jaya Varma Sinha, who embraces challenges, assumes her role with determination and enthusiasm.

Hence, the correct answer is option (A).

Q6 Text Solution:**Explanation:**

- **Chandrayaan-3's** landing point on the Moon is known as **Shiv Shakti Point.**
- Statio Shiv Shakti or Shiv Shakti Point is the landing site of Chandrayaan-3, the third lunar mission of **Indian Space Research Organisation (ISRO).**
- The mission's lander Vikram and rover Pragyan landed 600 km from the south pole of the Moon on 23 August 2023.

Hence, the correct answer is option (A).

Q7 Text Solution:**Explanation:**

- Indian Navy's fifth stealth Scorpene class Submarine INS Vagir was commissioned into Indian Navy on 23 January 2023 at Naval Dockyard Mumbai in presence of Admiral R Hari Kumar CNS, the Chief Guest for ceremony.
- INS Vagir will form part of WNC Submarine fleet.

Hence, the correct answer is option (B).

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Q8 Text Solution:**Key Concept:**

- While catching the fast moving ball, fielder in the ground gradually pulls hand backwards with the moving ball to reduce the velocity of the ball.
- It is based on the **principle of second law of motion** that states that the rate of change of momentum is directly proportional to the force applied.

Explanation:

- According to the second law of motion, the rate of change of momentum is directly proportional to the force applied or exerted.
- As per the law, when the fast moving ball is caught by the fielder in the ground than he takes some more time by pulling his hand backwards due to which the rate of change momentum decreases due to increase in time.
- This in turn decreases the exerted force/impact on the hands of fielder thus avoiding injuries when handling fast moving ball.

Hence, the answer is **option(B)** i.e 'Newton's second law of motion'.

Q9 Text Solution:**Explanation:**

- Chromosomes are single-stranded condensed form of chromatin.
- **Normally each cell contains 23 pair of chromosomes in humans.**
 - Humans have **22 pairs of numbered chromosomes (autosomes)** and **one pair of sex chromosomes (XX or XY)**.
 - Each pair contains two chromosomes, one coming from each parent, which means that children inherit half of their chromosomes from their mother and half from their father.

Hence, the correct option is 'C'.

Q10 Text Solution:**Explanation:**

- **Mary Kom** became the **first Indian woman boxer to win a gold at the 2018 Commonwealth Games**.
- The Government of Manipur has conferred on her the title "**Meethoi Leima**".
- **About Commonwealth Games:**
 - The Commonwealth Games is a multi-sporting event that takes place every four years and features athletes from Commonwealth countries.
- **What it is:**
 - The Commonwealth Games is the world's second largest multi-sporting event and the fourth most watched global broadcast sports event. It's also known as the "Friendly Games".
- **When it takes place:**
 - The Commonwealth Games has been held continuously since 1930, except for during and immediately after World War II.
- **Who participates:**
 - The Commonwealth Games features athletes from 71 nations and territories.
 - The Commonwealth of Nations is a group of 54 countries, most of which were former colonies of the British Empire.
- **What it celebrates:**
 - The Commonwealth Games celebrates sport and human performance, and promotes the shared values of democracy, human rights, and the rule of law.
- **How it's inclusive:**
 - Athletes with a disability are considered full members of their national teams, and their medals are counted with their country's.
- **Who's hosted the most:**
 - Australia has hosted the Commonwealth Games five times, more than any other nation.
- **What's next:**
 - The next Commonwealth Games are due to be staged in **Glasgow, Scotland in 2026**.

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

Q11 Text Solution:**Explanation:**[Android App](#)[iOS App](#)[PW Website](#)

- Oxygen-rich blood from the lungs comes to the thin-walled upper chamber of the heart on the left, the left atrium.
- The left atrium relaxes when it is collecting this blood.
- It then contracts, while the next chamber, the left ventricle, relaxes, so that the blood is transferred to it.
- When the muscular left ventricle contracts in its turn, the blood is pumped out to the body.

Hence, the correct option is 'A'

Q12 Text Solution:

Explanation:

- **College of Defence Management** is situated in **Secunderabad in Telangana state of India**.
- It was established in **1970**.
- It is an institution under the Indian Armed Forces that focuses on imparting management education to military officers, enhancing their strategic, operational, and administrative capabilities.

Hence, the correct answer is option (C).

Q13 Text Solution:

Explanation:

- The coexistence of both public and private sectors within an economy is a characteristic of a mixed economy.
- So, "**Public & Private Sector**" would indeed be an example of a mixed economy.
- A mixed economy features a combination of both public (government) and private sector enterprises, allowing for both state intervention and free-market principles, aiming to balance economic efficiency with social welfare.

Hence, the correct answer is option (C).

Q14 Text Solution:

Explanation:

- The **Andamanese, Jarawas, Onges and the Sentinelese** living in the Andaman group of islands belong to the Negrito group while the Nicobarese

and Shompens, living in Nicobar Islands belong to the Mongoloid group.

- **Bodo Tribe of Assam** - are known to be the earliest settlers of Assam, and the first to cultivate rice and rear silkworms. The Bodos are considered to be the largest ethnic and linguistic group of the Brahmaputra valley and they reside in the north-western parts of Assam.
- **Santals are the largest tribe in the Jharkhand state of India** in terms of population and are also found in the states of Assam, Tripura, Bihar, Chhattisgarh, Odisha and West Bengal.
- The main tribal groups in **Madhya Pradesh** are **Bhil, Gond, Kol and Korku, Sahariya, Baiga, Bharia, Sour and Pardhan**.

Hence, the correct answer is option (B).

Q15 Text Solution:

Explanation:

- The **First Battle of Panipat** was fought between **Babur and Ibrahim Lodi**.
- **When:** The battle took place on **April 21, 1526**.
- **Where:** The battle was fought near the village of **Panipat, in present-day Haryana, India**.
- **Who won:** Babur's forces defeated Ibrahim Lodi's army.
- **Result:** The Delhi Sultanate was overthrown and Babur became the Emperor of Delhi and Agra.
- **How Babur won:** Babur's forces used gunpowder firearms and cannons, and were aided by new artillery from the Ottoman Turks.

Hence the correct answer is option (A).

Q16 Text Solution:



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Explanation:

- The C-295 aircraft is a joint venture between India and Spain.
- Under the contractual agreement, Airbus will deliver the first 16 aircraft in 'fly-away' condition from its final assembly line in Seville, Spain.
- The remaining 40 aircraft will be manufactured and assembled by Tata Advanced Systems Limited (TASL) in India as part of an industrial partnership between the two companies.

Hence, the correct answer is option (C).

Q17 Text Solution:

Explanation:

- The 18th Heads of State and Government Summit of the Group of 20 (G20) took place in September 2023 in New Delhi, India.
- The theme “**One Earth · One Family · One Future**” conveyed a message of striving for just and equitable growth for all in the world, during turbulent times, in a sustainable, holistic, responsible, and inclusive manner.

Hence the correct answer is option (B).

Q18 Text Solution:

Explanation:

- Renowned Hollywood actor and producer **Michael Douglas** was honoured with the prestigious Satyajit Ray Lifetime Achievement Award for Excellence in Cinema at the **54th International Film Festival of India (IFFI)** in Goa.

Hence, the correct answer is option (B).

Q19 Text Solution:

Explanation:

- **Under Article 143 of the Indian Constitution**, the President of India has the power to seek the opinion of the **Supreme Court of India** on any question of law or fact that has arisen or is likely to arise and that, in the President's opinion, is of public importance.
- Therefore, it is the **Supreme Court of India** that advises the President under Article 143.

Hence, the correct answer is option (A).

Q20 Text Solution:

Explanation:

- The **wind** has the least effect on terrestrial ecosystems.
- **Wind, water, sunlight, and temperature** are all abiotic factors that play a crucial role in ecosystems.
- However, wind has the least effect on terrestrial ecosystems.
- Here's some more information about abiotic and biotic factors:
- **Abiotic factors:**
- These are non-living factors, such as **temperature, light, pH, water, wind, and precipitation**.
- **Biotic factors:**
- These are living components of an ecosystem, such as **plant and animal communities**.
- Some important biotic factors include predation, competition, and parasitism.
- Terrestrial ecosystems are ecosystems that are found on land, such as tundra, taiga, temperate deciduous forest, tropical rain forest, grassland, and deserts.

Hence, option (D) is the correct answer.

Q21 Text Solution:

Explanation:

- The largest inland saltwater lake in India is **Sambhar Lake**.
- Located in the **Sambhar Lake Town in the Jaipur district of Rajasthan**, it is a major contributor to Rajasthan's salt production. .
- It spreads over an area of 230 km.

Hence, the correct answer is option (B).

Q22 Text Solution:

Explanation:

- The **South Asian Association for Regional Cooperation (SAARC)** was established on 8 December 1985.
- The Secretariat of the Association was set up in Kathmandu, Nepal, on 17 January 1987.



- SAARC has eight member countries (**Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri-Lanka**).

Hence, option (D) is the correct answer.

Q23 Text Solution:

Explanation:

- 'The Discovery of India' was written by **Jawahrlal Nehru** while he was imprisoned in Maharashtra.
- In his book, he writes about the various aspects of India's 'Unity in Diversity'.
- His books were written during imprisonment.
- 'Discovery of India' was the last book which he wrote in **Ahmadnagar Fort Jail** during the period 1942 till 1945.

Hence, option (B) is the correct answer.

Q24 Text Solution:

Explanation:

- The Congress session in Banaras (1905) was presided by **Gopal Krishan Gokhale**.

Indian National Congress Session	President of the Session
1. Surat Session (1907)	Dadabhai Naoroji
2. Calcutta Session (1906)	Ras Behari Ghosh
3. Banaras Session (1905)	Gopal Krishna Gokhale

Hence, the correct answer is option (D).

Q25 Text Solution:

Explanation:

- In recognition of the valiant service by the IAF, King George VI conferred the prefix "Royal" on 12 March 1945.
- Thereafter **the IAF was referred to as the Royal Indian Air Force**.
- In **1950**, when India became a republic, the prefix was dropped and it reverted to being the **Indian Air Force**.

Hence, the correct answer is option (C).



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