



Current Affairs Reverse Engineering (CARE)

AUGUST - 2026

UPSC & APPSC PRELIMS (EM)

MCQs with Explanation:s

CARE MCQs

1) Consider the following statements regarding India's solar energy initiatives:

1. PM Surya Sarovar Yojana aims to support floating solar projects with energy storage.
2. PM Surya Ghar promotes rooftop solar adoption among households.
3. PM-KUSUM promotes solar energy use in agriculture.
4. ALMM is related to quality assurance for solar PV modules and cells.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 2 and 4 only
- C. 1, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (d) 1, 2, 3 and 4

Explanation

- All four statements are correct. **PM Surya Sarovar** focuses on floating solar with storage, **PM Surya Ghar** promotes rooftop solar, **PM-KUSUM** supports solar energy in agriculture, and **ALMM** ensures quality assurance for approved solar PV models and manufacturers.

2) Consider the following statements regarding government school closures in India:

1. School closures are often justified on the ground of rationalisation.
2. The Right to Education Act recognises the importance of neighbourhood schools.
3. Closure of nearby schools can disproportionately affect girls and children from poor households.
4. Education is exclusively a State List subject.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only

- C. 2, 3 and 4 only
D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. School closures are often done in the name of rationalisation, but they can weaken access to neighbourhood schools and disproportionately hurt poor children and girls.
- Statement **4 is incorrect** because education is in the **Concurrent List**, not exclusively in the State List.

3) Consider the following statements regarding India's strategy against Left-Wing Extremism:

- The National Policy and Action Plan to address LWE was approved in 2015.
- The strategy combined security operations with infrastructure development and welfare delivery.
- CoBRA, DRG and Greyhounds have been part of the specialised security architecture against LWE.
- The rehabilitation policy discourages surrendered cadres from joining the mainstream.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
B. 1 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. India's anti-LWE policy was based on a coordinated strategy involving security, development, welfare and specialised forces.
- Statement **4 is incorrect** because the rehabilitation policy encourages surrendered cadres to return to mainstream society.

4) Consider the following statements regarding the Supreme Court (Number of Judges)

Amendment Bill, 2026:

- It increases the number of puisne judges from 33 to 37.
- Including the Chief Justice of India, the sanctioned strength becomes 38.
- The Bill amends the Supreme Court (Number of Judges) Act, 1956.
- The number of Supreme Court judges is permanently fixed by the Constitution.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
B. 1 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. The Bill increases puisne judges from **33 to 37**, making the total strength **38 including the CJI**, and amends the **1956 Act**.
- Statement **4 is incorrect** because **Article 124(1)** allows Parliament to prescribe the number of Supreme Court judges by law.

5) Consider the following statements regarding Geographical Indication tags in India:

- GI products in India are governed by the Geographical Indications of Goods (Registration and Protection) Act, 1999.
- Darjeeling Tea was the first Indian product to receive a GI tag.
- The GI Registry is located in Chennai.
- GI registration is valid permanently and does not require renewal.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
B. 1 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. GI protection in India is governed by the **GI Act**,

1999, Darjeeling Tea was India's first GI-tagged product, and the GI Registry is located in **Chennai**.

- Statement **4** is **incorrect** because GI registration is valid for **10 years** and can be renewed.

6) Which of the following statements is not correct as per the Climate Change Performance Index (CCPI)-2023?

- India has jumped 2 spots higher in CCPI-2023.
- India is placed at the 8th rank in CCPI-2023.
- India is amongst the top 5 best performing countries in the world on climate change.
- India is placed lower in rank in this index than Norway and United Kingdom.

Answer: (d)

Explanation

- As per the **Climate Change Performance Index (CCPI) 2023**, India secured the **8th rank**, improving by **2 places** from its previous rank of **10th**.
- The top three ranks were kept **vacant** because no country performed well enough to receive a "very high" rating. Therefore, the actual leading countries started from **Rank 4**.
- India, at **8th rank**, was placed **higher/better** than **Norway** and the **United Kingdom** in the index. Hence, the statement that India was placed lower than Norway and the UK is **not correct**.

7) Consider the following statements regarding critical minerals:

- Critical minerals are essential for clean energy, semiconductors, defence and advanced manufacturing.
- India has identified 30 critical minerals.
- Critical minerals are important only for fossil fuel-based industries.
- Rare earth elements are used in permanent magnets and wind turbines.

Which of the statements given above are correct?

- 1, 2 and 4 only
- 1 and 3 only
- 2, 3 and 4 only
- 1, 2, 3 and 4

Answer: (a) 1, 2 and 4 only

Explanation

- Statements **1, 2 and 4** are correct. Critical minerals are important for clean energy, defence, electronics and advanced manufacturing. India has identified **30 critical minerals**, and rare earths are used in magnets and wind turbines.
- Statement **3** is incorrect because critical minerals are central to clean energy and advanced technologies, not only fossil fuel industries.

8) Consider the following statements regarding India's electric vehicle ecosystem:

- The FAME India Scheme was launched under the National Electric Mobility Mission Plan framework.
- The PM E-DRIVE Scheme supports EV adoption and charging infrastructure.
- EVs attract a concessional GST rate of 5% in India.
- Battery Electric Vehicles use only hydrogen fuel cells and do not require batteries.

Which of the statements given above are correct?

- 1, 2 and 3 only
- 1 and 4 only
- 2, 3 and 4 only
- 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. FAME India was launched under the NEMMP framework, PM E-DRIVE supports EV adoption and charging infrastructure, and EVs attract **5% GST**.
- Statement **4** is **incorrect** because Battery

Electric Vehicles are powered by batteries, not hydrogen fuel cells.

9) Consider the following statements regarding Ramsar sites and mining regulation in India:

1. Ramsar sites are wetlands of international importance under the Ramsar Convention.
2. Ramsar designation automatically creates a statutory 10-km mining buffer under Indian law.
3. The Supreme Court directed prior approval for mining within 10 km of the Asan Wetland Conservation Reserve.
4. Mining inside national parks and wildlife sanctuaries is prohibited under the Wildlife Protection Act, 1972.

Which of the statements given above are correct?

- A. 1, 3 and 4 only
- B. 1 and 2 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 3 and 4 only

Explanation

- Statements **1, 3 and 4** are correct. Ramsar sites are wetlands of international importance, the Supreme Court required prior approval for mining within **10 km** of the Asan Wetland Conservation Reserve, and mining inside national parks and wildlife sanctuaries is prohibited under the **Wildlife Protection Act, 1972**.
- Statement **2 is incorrect** because Ramsar designation does not automatically create a statutory 10-km mining buffer under Indian law.

10) Consider the following statements regarding climate-resilient agriculture and nature-based solutions in India:

1. Climate-resilient agriculture aims to reduce vulnerability to climate-induced shocks.
2. Biochar can improve soil fertility and

help in carbon sequestration.

3. NICRA is implemented by the Indian Council of Agricultural Research.
4. Nature-based solutions are limited only to chemical fertiliser-based farming.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. Climate-resilient agriculture reduces vulnerability to climate shocks, biochar improves soil fertility and supports carbon sequestration, and **NICRA** is implemented by **ICAR**.
- Statement **4 is incorrect** because nature-based solutions include practices such as agroforestry, conservation agriculture, zero tillage and biochar, not only chemical fertiliser-based farming.

11) Consider the following statements regarding the Makkah Joint Defence Agreement:

1. It was signed by Saudi Arabia, Türkiye and Pakistan.
2. It states that an armed attack on one member will be regarded as an attack on all three.
3. It is identical to NATO because its detailed operational obligations are fully public.
4. It may affect India's strategic interests in West Asia and the western Indian Ocean.

Which of the statements given above are correct?

- A. 1, 2 and 4 only
- B. 1 and 3 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 4 only

Explanation

- Statements **1, 2 and 4** are correct. The pact involves **Saudi Arabia, Türkiye and Pakistan**, contains a collective-defence clause and has implications for India's strategic interests.
- Statement **3 is incorrect** because it should not be treated as identical to NATO; the detailed operational commitments of the pact are not publicly clear.

12) Consider the following statements regarding the e-Courts Mission Mode Project:

1. The National Judicial Data Grid provides real-time information on pending and disposed cases.
2. NSTEP enables GPS-tracked electronic service of summons and notices.
3. e-Sewa Kendras assist citizens in accessing digital court services.
4. AI tools under the e-Courts Mission are meant to replace judges in decision-making.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. NJDG provides case-related data, NSTEP enables GPS-based summons tracking, and e-Sewa Kendras help citizens access digital court services.
- Statement **4 is incorrect** because AI tools are meant to assist judicial processes such as transcription, translation, research and filing scrutiny; they do not replace judges.

13) Consider the following statements regarding PM MITRA Parks:

1. PM MITRA stands for PM Mega Integrated Textile Region and Apparel.
2. The scheme has approved seven textile parks across Greenfield and Brownfield

sites.

3. PM MITRA is inspired by the 5F vision: Farm to Fibre to Factory to Fashion to Foreign.
4. The scheme is limited only to software parks and has no link with the textile sector.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. PM MITRA relates to integrated textile parks and is based on the **5F textile value-chain vision**.
- Statement **4 is incorrect** because PM MITRA is directly related to the textile and apparel sector, not software parks.

14) Consider the following statements regarding creamy layer and SC/ST reservations:

1. The creamy layer concept was introduced for OBC reservations through the Indra Sawhney judgment.
2. The Centre has argued that SC/ST disadvantage cannot be equated with mere economic backwardness.
3. Articles 341 and 342 relate to the notification of Scheduled Castes and Scheduled Tribes.
4. Creamy layer exclusion currently applies automatically to SC/ST reservations.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. Creamy

layer emerged from **Indra Sawhney** for OBCs; the Centre argues that SC/ST disadvantage is not merely economic; and Articles **341** and **342** deal with SC/ST lists.

- Statement **4 is incorrect** because creamy layer exclusion does not currently apply automatically to SC/ST reservations.

15) Consider the following statements regarding GOBARdhan and Compressed Biogas:

1. GOBARdhan stands for Galvanising Organic Bio-Agro Resources Dhan.
2. Compressed Biogas is produced after purifying and compressing biogas.
3. CBG has properties similar to Compressed Natural Gas and can be used as a vehicle and industrial fuel.
4. GOBARdhan is based only on imported fossil fuel and does not use organic waste.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. GOBARdhan uses organic waste resources to produce CBG, which is similar to CNG in properties and can be used as a clean fuel.
- Statement **4 is incorrect** because GOBARdhan is designed to convert organic waste such as agricultural residue, cattle dung and municipal organic waste into energy.

16) Consider the following statements regarding India's ship recycling sector:

1. India became the world's leading ship recycling nation in 2025.
2. The Alang-Sosiya cluster accounts for about 98% of India's ship recycling activity.
3. The Ship Recycling Act, 2019 designates

the Directorate General of Shipping as the National Authority.

4. The Hong Kong Convention deals only with inland water transport and not ship recycling.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. India became the leading ship recycling nation in 2025; Alang-Sosiya dominates India's ship recycling activity; and the Ship Recycling Act, 2019 designates the Directorate General of Shipping as the National Authority.
- Statement **4 is incorrect** because the Hong Kong Convention is the principal global framework for safe and environmentally sound ship recycling.

17) Consider the following statements regarding India's energy sector:

1. India's total installed power capacity reached around 552 GW in July 2026.
2. India's non-fossil capacity crossed 300 GW and accounted for more than half of total installed capacity.
3. PM Surya Ghar aims to promote rooftop solar among households.
4. GOBARdhan is designed only for imported crude oil refining.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. India's installed capacity reached around **552 GW**,

non-fossil capacity crossed **300 GW**, and **PM Surya Ghar** promotes rooftop solar.

- Statement **4 is incorrect** because **GOBARdhan** converts organic waste into bioenergy and supports a circular bioeconomy.

18) Consider the following pairs regarding core practices under Zero Budget Natural Farming (ZBNF):

Practice	Purpose
1. Jeevamrutha	Revives beneficial soil microbes
2. Bijamrutha	Protects seeds from fungal and soil-borne diseases
3. Acchadana	Covers topsoil to reduce irrigation requirement
4. Waaphasa	Maintains air-moisture balance in the root zone

How many of the above pairs are correctly matched?

- A. Only one
- B. Only two
- C. Only three
- D. All four

Answer: (d) All four

Explanation

- **Pair 1 is correct:** Jeevamrutha is a fermented microbial culture that improves beneficial soil microbes and helps nutrient availability.
- **Pair 2 is correct:** Bijamrutha is used as a seed-treatment mixture to protect sprouting seeds from fungal and soil-borne diseases.
- **Pair 3 is correct:** Acchadana means mulching, where straw, leaves or live intercrops cover the soil and reduce irrigation needs.
- **Pair 4 is correct:** Waaphasa refers to maintaining the right balance of air and moisture in the root zone.

Therefore, **all four pairs are correctly matched**

19) With reference to India's cultural heritage initiatives, consider the following statements:

1. Adopt a Heritage 2.0 was launched to develop visitor-friendly amenities at

Protected Monuments of National Importance.

2. Gyan Bharatam Mission focuses on preserving and digitising India's manuscript heritage.
3. National Film Heritage Mission aims to preserve and restore India's cinematic heritage.

Which of the statements given above are correct?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: D. 1, 2 and 3

Explanation

- **Statement 1 is correct:** Adopt a Heritage 2.0 was launched in September 2023 to develop and maintain visitor-friendly amenities at Protected Monuments of National Importance.
- **Statement 2 is correct:** Gyan Bharatam Mission focuses on preserving, digitising and promoting access to India's manuscript heritage.

Statement 3 is correct: National Film Heritage Mission was launched to preserve, digitise and restore India's cinematic heritage.

20) With reference to India's space sector reforms, consider the following statements:

1. IN-SPACe enables private space activities through a single-window mechanism.
2. NSIL is the commercial arm of ISRO.
3. The Indian Space Policy 2023 expanded private participation across the space value chain.

Which of the statements given above are correct?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: D. 1, 2 and 3

Explanation

- **Statement 1 is correct:** IN-SPACe enables private space activities through a single-window mechanism.
- **Statement 2 is correct:** NSIL is the commercial arm of ISRO and provides launch, satellite and space-based services.
- **Statement 3 is correct:** Indian Space Policy 2023 expanded private participation across the space value chain.

Therefore, all three statements are correct.

21) Consider the following statements regarding forest fires in India:

1. Forest fires are broadly classified into ground, surface and crown fires.
2. Forest Survey of India issues satellite-based forest fire alerts.
3. Chir pine needles are highly inflammable and can increase fire risk in the Himalayas.
4. Crown fires are the most common type of forest fire in India.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. Forest fires are classified into **ground, surface and crown fires**. The **Forest Survey of India** provides satellite-based alerts, and dry **chir pine needles** increase fire risk.
- Statement **4 is incorrect** because crown fires are comparatively rare in India.

22) Consider the following statements regarding Bharat Taxi:

1. Bharat Taxi is India's first cooperative-led ride-hailing platform.
2. It was established under the Multi-State Cooperative Societies Act, 2002.

3. The platform follows a zero-commission and surge-free pricing model.

4. Sarathis are not allowed to participate in ownership or governance of the platform.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation:

- Statements **1, 2 and 3** are correct. Bharat Taxi is a cooperative-led ride-hailing platform established under the **Multi-State Cooperative Societies Act, 2002**, and follows a **zero-commission, surge-free model**.
- Statement **4 is incorrect** because Sarathis can become member-owners and participate in the cooperative governance structure.

23) Consider the following statements regarding India's coconut sector:

1. India ranks first in global coconut production.
2. Tamil Nadu has the largest area under coconut cultivation in India.
3. Andhra Pradesh records the highest coconut productivity in India.

Which of the statements given above are correct?

- A. 1 and 2 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: (b) 1 and 3 only

Explanation:

- India ranks first globally in coconut production. **Kerala**, not Tamil Nadu, has the largest area under cultivation. Tamil Nadu leads in total production, while Andhra Pradesh records the highest productivity.

24) With reference to NASA's Moon Base

Programme, consider the following statements:

1. It aims to create a permanent research station on the Moon.
2. It is expected to support astronauts and robots for prolonged lunar missions.
3. It is designed only for short-term symbolic Moon landings.

Which of the statements given above are correct?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: (a) 1 and 2 only

Explanation

- **Statement 1 is correct:** The Moon Base Programme aims to establish a **permanent research station on the Moon**.
- **Statement 2 is correct:** It is planned for long-duration stay and work by **astronauts and robots**.
- **Statement 3 is incorrect:** It is not merely a short-term landing mission like Apollo; it is a long-term lunar settlement and research initiative.

25) Consider the following statements regarding solar irrigation in India:

1. Grid-connected solar irrigation can incentivise farmers to save water by allowing them to sell surplus electricity to the grid.
2. PM-KUSUM has helped make solar pumps affordable through subsidies.
3. Solar irrigation outcomes depend only on the source of energy and not on local hydrogeology or cropping patterns.
4. Standalone solar pumps may be suitable in areas with poor grid access and low groundwater risk.

Which of the statements given above are correct?

- A. 1, 2 and 4 only
- B. 1 and 3 only

- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 4 only

Explanation:

Statement 1 is correct:

- In **grid-connected solar irrigation**, farmers can use solar power for pumping water and sell the unused electricity back to the grid. If a farmer pumps less water, more electricity remains available for sale. This creates an incentive to **save water and earn income**.

Statement 2 is correct:

- **PM-KUSUM** supports solar pumps through subsidies. This has made solar irrigation more affordable for farmers, especially small and marginal farmers.

Statement 3 is incorrect:

- Solar irrigation outcomes do **not** depend only on the source of energy. They also depend on local factors such as **groundwater availability, water-table depth, soil type, cropping pattern, crop water demand and local irrigation practices**. For example, solar pumps may have different effects in Punjab, Haryana and eastern India.

Statement 4 is correct:

- Standalone solar pumps can be useful in areas where farmers do not have reliable electricity and where groundwater is not under serious stress. In such regions, solar pumps can improve irrigation access without immediately worsening groundwater depletion.

26) With reference to Makhana, consider the following statements:

1. Makhana is scientifically known as Euryale ferox.
2. The edible part of the makhana plant is its seed.
3. In India, it is mainly cultivated in Bihar, West Bengal and Assam.

Which of the statements given above are correct?

- A. 1 and 2 only
- B. 2 and 3 only

- C. 1 and 3 only
D. 1, 2 and 3

Answer: (d) 1, 2 and 3

Explanation

- **Statement 1 is correct:** Makhana is scientifically known as **Euryale ferox**.
- **Statement 2 is correct:** The edible part of the plant is its **seed**, which is roasted or processed and consumed as fox nut.
- **Statement 3 is correct:** In India, makhana cultivation is mainly concentrated in **Bihar, West Bengal and Assam**, supported by suitable wetlands, ponds and shallow water bodies.

27) With reference to the Gaganyaan Crew Module, consider the following statements:

1. Its Thermal Protection System forms part of its unpressurised external structure.
2. Its Service Module is intended to accompany the Crew Module through atmospheric re-entry and splashdown.
3. Its ablative shield protects it partly through chemical decomposition and outgassing.

Which of the statements given above are correct?

- A. 1 only
B. 1 and 3 only
C. 2 and 3 only
D. 1, 2 and 3

Answer: B. 1 and 3 only

Explanation

- **Statement 1 is correct:** The Crew Module has a pressurised inner structure and an unpressurised external structure carrying the TPS.
- **Statement 2 is incorrect:** The Service Module provides propulsion, power and other support in orbit but separates before the Crew Module completes atmospheric re-entry.
- **Statement 3 is correct:** Ablative material absorbs heat, decomposes, forms char and releases gases that reduce heat transfer.

28) With reference to India's defence procurement framework, consider the following statements:

1. The Defence Acquisition Council grants Acceptance of Necessity for major capital acquisitions.
2. The Defence Procurement Manual 2025 primarily deals with revenue procurement.
3. Positive Indigenisation Lists require every listed item to be procured exclusively from Defence Public Sector Undertakings.

Which of the statements given above are correct?

- A. 1 only
B. 1 and 2 only
C. 2 and 3 only
D. 1, 2 and 3

Answer: B. 1 and 2 only

Explanation

- **Statement 1 is correct:** The DAC is the apex procurement body and grants Acceptance of Necessity for major defence acquisitions.
- **Statement 2 is correct:** DPM 2025 streamlines revenue procurement required for the operation and maintenance of the armed forces.
- **Statement 3 is incorrect:** Positive Indigenisation Lists require procurement from domestic sources. They do not restrict procurement only to Defence Public Sector Undertakings; eligible private Indian companies may also participate.

29) Which one of the following best describes functional DNA screening?

- A. Checking only whether DNA resembles a known pathogen
- B. Assessing the biological activity a novel sequence may perform
- C. Sequencing only naturally occurring genomes
- D. Prohibiting all synthetic-biology research

Answer: B

Explanation:

- Functional screening considers what a sequence may do, even if it does not resemble a known pathogen.

30) With reference to the National Animal Disease Control Programme, consider the following statements:

- It targets Foot and Mouth Disease and Brucellosis through vaccination and surveillance.
- Brucellosis vaccination is given twice a year to all livestock.
- Foot and Mouth Disease vaccination targets eligible livestock twice a year.

Which of the statements given above is/are correct?

- 1 and 2 only
- 1 and 3 only
- 2 and 3 only
- 1, 2 and 3

Answer: (b) 1 and 3 only

Explanation:

- NADCP targets **FMD and Brucellosis**. FMD vaccination is done **twice a year**, while Brucellosis vaccination is a **one-time vaccination for 4–8 months old female bovine calves**.

31) Consider the following statements regarding the United Nations Security Council:

- The UNSC has five permanent members and ten non-permanent members.
- Non-permanent members are elected by the UN General Assembly for two-year terms.
- India is campaigning for a UNSC non-permanent seat for the 2028-29 term.
- Non-permanent members of the UNSC have veto power.

Which of the statements given above are correct?

- 1, 2 and 3 only
- 1 and 4 only
- 2, 3 and 4 only
- 1, 2, 3 and 4

Answer: (a)

Explanation

- Statements **1, 2 and 3 are correct**. The UNSC has **5 permanent members** and **10 non-permanent members**. Non-permanent members are elected by the **UN General Assembly** for **two-year terms**. India is campaigning for the **2028-29** non-permanent seat.

- Statement **4 is incorrect** because only the **five permanent members** have veto power. Non-permanent members do not have veto power.

32) Which of the following statements about FSSAI's recent action on food claims is correct?

- FSSAI checks only the safety of ingredients, not food advertisements.
- FSSAI can act against misleading food claims made on labels, advertisements and e-commerce listings.
- Food companies can use terms like "100% pure" without any evidence.
- E-commerce food listings are outside the control of FSSAI.

Answer: B

Explanation

- FSSAI is tightening rules because food companies often use claims like **"100% pure," "healthy," "natural," "energy" or "immunity-boosting"** to influence consumers. These claims must be supported by proper evidence. FSSAI can examine not only physical product labels but also **advertisements, online product pages and e-commerce listings**.

33) With reference to the MMDR Amendment Act, 2026, consider the following statements:

- It inserts Section 9D into the MMDR Act, 1957.
- It completely prohibits States from imposing any mineral-related levy under all circumstances.
- It does not require a refund of levies already collected before its commencement.

Which of the statements given above are

correct?

- A. 1 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: (b) 1 and 3 only

Explanation:

- **Statement 1 is correct:** Section 9D restricts State taxation of mineral rights and mineral-bearing land.
- **Statement 2 is incorrect:** States may impose levies subject to conditions or restrictions prescribed by the Centre.
- **Statement 3 is correct:** Amounts already recovered are not refundable.

34) Consider the following statements about the draft Small River Rejuvenation Framework:

1. It was unveiled under the National Mission for Clean Ganga.
2. It relies exclusively on large engineering structures.
3. It recognises different challenges for urban and rural rivers.

Which of the statements given above are correct?

- A. 1 only
- B. 1 and 3 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: (b) 1 and 3 only

Explanation:

- **Statement 1 is correct:** The framework was unveiled under the NMCG.
- **Statement 2 is incorrect:** It prioritises cost-effective, nature-based ecological solutions.
- **Statement 3 is correct:** It recognises that urban and rural rivers require different approaches.

35) Consider the following pairs:

Term	Description
Dustlik	India–Uzbekistan military exercise
UZQR	Uzbekistan's national QR payment system

Fayaz Tapa	Ancient Buddhist site in Uzbekistan
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How many of the pairs given above are correctly matched?

- A. Only one
- B. Only two
- C. All three
- D. None

Answer: (c) All three

Explanation:

- Dustlik is the bilateral military exercise, UZQR is Uzbekistan's national QR system, and Fayaz Tapa is an ancient Buddhist site.

36) With reference to the Aranmula Uthrattathi boat race, consider the following statements:

1. It is associated with the Pampa River in Kerala.
2. Palliyodams are traditional snake boats used in the event.
3. Aranmula Kannadi is a GI-tagged traditional metal mirror.

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: (d) 1, 2 and 3

Explanation:

- The Aranmula boat race is held on the **Pampa River**. It features **Palliyodams**, the traditional snake boats of Kerala. Aranmula is also known for the **GI-tagged Aranmula Kannadi**, a traditional metal mirror.

APPSC MCQs

37) Consider the following statements regarding the Andhra Pradesh–Australia MoUs:

1. A Centre of Excellence for Solar Manufacturing is proposed at IIT Tirupati.
2. One MoU focuses on inclusive education for children with autism and neurodiverse learning needs.
3. A pilot project on student mental health will be implemented in selected higher educational institutions.
4. The MoUs are limited only to defence manufacturing.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. The MoUs cover **solar manufacturing, inclusive education, student mental health and skill development**.
- Statement **4** is incorrect because the MoUs are not limited to defence manufacturing.

38) Consider the following statements regarding the IIT Tirupati–UNSW MoU:

1. The MoU proposes a Centre of Excellence in Solar Manufacturing at IIT Tirupati.
2. UNSW Sydney will support training and expertise in solar cell manufacturing and reliability engineering.
3. CoEET will facilitate funding, industry and government partnerships.
4. The MoU is related only to conventional thermal power generation.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. The MoU focuses on solar manufacturing, research, training and institutional collaboration.
- Statement **4** is incorrect because the MoU is related to **solar energy**, not thermal power.

39) Consider the following statements regarding pangolins:

1. Pangolins mainly feed on ants and termites.
2. Indian Pangolin is listed as Endangered on the IUCN Red List.
3. All pangolin species are listed in CITES Appendix I.
4. Pangolins are reptiles because their bodies are covered with scales.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. Pangolins feed mainly on **ants and termites**, the **Indian Pangolin** is **Endangered**, and all pangolin species are listed in **CITES Appendix I**.
- Statement **4** is **incorrect** because pangolins are **mammals**, not reptiles.

40) Consider the following statements regarding Andhra Pradesh's recent growth and infrastructure push:

1. Andhra Pradesh reported 11.3% GSDP growth during 2024–26.
2. ₹10,000 crore was allocated for Amaravati and ₹8,300 crore for Polavaram.

3. Bhogapuram International Airport is expected to support regional growth in north coastal Andhra Pradesh.

4. Andhra Pradesh has completely stopped capital expenditure on ports, roads and airports.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. Andhra Pradesh reported **11.3% GSDP growth**, and allocations were mentioned for **Amaravati** and **Polavaram**. Bhogapuram International Airport is expected to support regional development.
- Statement **4 is incorrect** because capital expenditure has been increased for ports, airports, roads and other infrastructure projects.

41) Consider the following statements regarding Netanna Sevalo and Andhra Pradesh's handloom sector:

1. Netanna Sevalo provides ₹25,000 assistance to eligible handloom families.
2. The scheme covered 71,536 handloom families.
3. Andhra Pradesh has famous handloom centres such as Chirala, Venkatagiri, Dharmavaram, Uppada and Mangalagiri.
4. The scheme is meant only for large textile corporations and excludes weaver families.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. Netanna Sevalo provides **₹25,000** to eligible handloom families, covered **71,536 families**, and Andhra Pradesh has several well-known weaving centres.
- Statement **4 is incorrect** because the scheme directly supports handloom families.

42) Consider the following statements regarding the satellite transponder initiative for fishermen in Andhra Pradesh:

1. The devices are intended to provide weather alerts and SOS support to fishermen at sea.
2. They are connected to fishermen's smartphones through Bluetooth.
3. The initiative is linked with the Pradhan Mantri Matsya Sampada Yojana.
4. The devices are meant only for inland farmers and not for fishermen.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
- B. 1 and 4 only
- C. 2, 3 and 4 only
- D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. The satellite transponders provide alerts and SOS support, connect with smartphones through **Bluetooth**, and are being distributed under **PM Matsya Sampada Yojana**.
- Statement **4 is incorrect** because the devices are meant for **fishermen operating at sea**, not inland farmers.

43) Consider the following statements regarding police custody under BNSS:

1. Section 187(2) BNSS allows police custody in parts, subject to an aggregate limit of 15 days.
2. Under BNSS, police custody may be sought during the initial 40 or 60 days, depending on the permissible detention period.

3. Section 38 BNSS allows an arrested person to meet an advocate during interrogation, but not throughout interrogation.

4. BNSS allows unlimited police custody until investigation is completed.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
B. 1 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. BNSS allows police custody in parts, but the aggregate limit remains **15 days**. Section 38 allows meeting an advocate during interrogation, not continuous presence throughout it.
- Statement **4 is incorrect** because BNSS does not allow unlimited police custody.

44) Consider the following statements regarding UNESCO World Heritage Sites and Andhra Pradesh's heritage push:

- Lepakshi is already on the UNESCO Tentative List.
- UNESCO World Heritage Sites are recognised for Outstanding Universal Value.
- India signed the World Heritage Convention in 1977.
- Once a site becomes a World Heritage Site, it is no longer under the sovereignty of the country concerned.

Which of the statements given above are correct?

- A. 1, 2 and 3 only
B. 1 and 4 only
C. 2, 3 and 4 only
D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- Statements **1, 2 and 3** are correct. Lepakshi is on the UNESCO Tentative List, World Heritage Sites are recognised for **Outstanding Universal**

Value, and India signed the World Heritage Convention in **1977**.

- Statement **4 is incorrect** because World Heritage Sites remain under the sovereignty of the country where they are located, though their protection becomes a shared international responsibility.

45) With reference to the AP State Climate Change Cell's recommendations for the energy sector, consider the following statements:

- The Cell suggested increasing renewable energy generation to 40% of the total energy mix.
- It proposed two environment-friendly hydrogen hubs with a combined capacity of 60 MW.
- It recommended installation of one lakh electric vehicle charging stations.

Which of the statements given above are correct?

- A. 1 and 2 only
B. 2 and 3 only
C. 1 and 3 only
D. 1, 2 and 3

Answer: D. 1, 2 and 3

Explanation

- Statement 1 is correct:** The AP State Climate Change Cell suggested increasing renewable energy generation to **40% of the total energy mix**, mainly from solar and wind energy.
- Statement 2 is correct:** It proposed the establishment of **two environment-friendly hydrogen hubs** with a combined capacity of **60 MW**.
- Statement 3 is correct:** It recommended the installation of **one lakh fast and slow electric vehicle charging stations**.

Therefore, all three statements are correct.

46) With reference to the proposed modern educational and cultural academy in Amaravati, consider the following statements:

- It is proposed at Abburaajupalem in the Amaravati capital region.

2. The academy will be constructed on a three-acre site near the E3-N14 Junction.
 3. It is planned to accommodate around 2,500 students once fully developed.
 4. It is being developed under the Andhra Pradesh School Education Corporation.
- Which of the statements given above are correct?
- A. 1, 2 and 3 only
 - B. 1 and 4 only
 - C. 2, 3 and 4 only
 - D. 1, 2, 3 and 4

Answer: (a) 1, 2 and 3 only

Explanation

- **Statement 1 is correct:** The academy is proposed at **Abburaajupalem** in the Amaravati capital region.
- **Statement 2 is correct:** It will come up on a **three-acre site** near the **E3-N14 Junction**.
- **Statement 3 is correct:** Once fully developed, it is expected to accommodate around **2,500 students**.
- **Statement 4 is incorrect:** The project is being developed under the **DAV Amaravati Rythu Vidyalaya Vedantam Group**, not Andhra Pradesh School Education Corporation.

47) Consider the following statements regarding elephants in Andhra Pradesh:

1. Andhra Pradesh is described as a relatively new elephant range.
2. Koundinya Wildlife Sanctuary is an important elephant habitat.
3. Most elephants in the State are concentrated in coastal districts.

Which of the statements given above are correct?

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: (b) 1 and 2 only

Explanation: Most elephants are concentrated in Chittoor, Tirupati and Annamayya districts. Smaller groups occur in Srikakulam and

Parvathipuram Manyam.

48) Consider the following statements regarding the robotic dog evaluated by TTD:

1. It is equipped with optical and thermal-imaging cameras.
2. Its AI system can distinguish large animals from humans and vehicles.
3. It is intended to replace all existing camera traps and foot patrols.

Which of the statements given above are correct?

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: (b) 1 and 2 only

Explanation

- **Statement 1 is correct:** The robotic dog carries optical cameras for regular visual monitoring and thermal cameras for detecting heat signatures during darkness, fog and other low-visibility conditions.
- **Statement 2 is correct:** Its AI system can classify large animals, humans, vehicles and domestic animals. This helps officials understand what has been detected before sending personnel.
- **Statement 3 is incorrect:** TTD has clearly stated that the robot will only **supplement** existing camera traps, foot patrols and forest-surveillance systems. It will not replace them.

49) With reference to the popcorn maize hybrids launched in Andhra Pradesh, consider the following statements:

1. They are non-GMO hybrids developed for tropical conditions.
2. They seek to improve disease resistance and kernel expansion.
3. The initiative currently operates only within Andhra Pradesh.

Which of the statements given above are correct?

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only

D. 1, 2 and 3

Answer: B. 1 and 2 only

Explanation

- **Statement 1 is correct:** The hybrids are non-GMO and adapted to tropical conditions.
- **Statement 2 is correct:** Improved disease resistance, yield and kernel expansion are their main characteristics.
- **Statement 3 is incorrect:** The associated initiative involves farmers across eight States.

50) Consider the following statements about the early history of Guntur:

1. Its earliest known epigraphical reference occurs in the Pune copper plates.
2. These plates were issued during the reign of Vishnuvardhana II.
3. The inscription dates to 669 CE.

Which of the statements given above are correct?

- A. 1 and 2 only
- B. 2 and 3 only
- C. 1 and 3 only
- D. 1, 2 and 3

Answer: (d) 1, 2 and 3

- **Explanation:** All three statements are correct. The Pune copper plates, issued in the first regnal year of Eastern Chalukya ruler Vishnuvardhana II, contain the earliest known epigraphical reference to Guntur and date to 669 CE.

51) Consider the following statements regarding the Veligonda Project:

1. It draws Krishna water from the Srisailem Reservoir.
2. It transfers water to Nallamala Sagar through twin tunnels.
3. It is primarily designed as a lift-irrigation project.

Which of the statements given above are correct?

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: (b) 1 and 2 only

Explanation:

- **Statement 1 is correct:** Krishna water is drawn from the foreshore of the Srisailem Reservoir.
- **Statement 2 is correct:** The water is carried through twin tunnels to Nallamala Sagar.
- **Statement 3 is incorrect:** Water is conveyed by gravity rather than primarily through lift irrigation.

52) Consider the following statements about the inscription found at Tekkali:

1. It is engraved in Odia script and language.
2. It contains a reference to Gajapati Kapilendra Deva.
3. Its exact regnal year has been clearly established.

Which of the statements given above are correct?

- A. 1 only
- B. 1 and 2 only
- C. 2 and 3 only
- D. 1, 2 and 3

Answer: (b) 1 and 2 only

Explanation:

- **Statement 1 is correct:** The inscription uses Odia script and language.
- **Statement 2 is correct:** "Pratapa Kapilesvara" refers to Kapilendra Deva.
- **Statement 3 is incorrect:** Damage to the inscription prevents determination of its regnal year.