



**IASBABA'S  
DAILY CURRENT  
AFFAIRS QUIZ  
COMPILATION  
UPSC 2022**

**AUGUST-2022**

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**Q.1) Consider the following statements about Shaheed Udham Singh**

1. He was associated with Ghadar Party and Indian Workers Association.
2. As a Hindustan Socialist Republican Association member, he was one of the revolutionist involved in Central Assembly Bombing Case.
3. He assassinated Brigadier-General Dyer who was responsible for Amritsar massacre, 1919.
4. He was the founder of the Azad Party, an offshoot of the Ghadar movement.

**Choose the correct statements:**

- a) 1 only
- b) 1 and 4
- c) 1, 2 and 4
- d) None

**Q.1) Solution (b)****Statement Analysis**

Statement 1	Statement 2	Statement 3	Statement 4
<b>Correct</b>	<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• It was during his time in the United States that he got deeply involved in the Ghadar movement and became one of its prominent activists.</li> <li>• Singh illegally migrated to the US in 1924 via Mexico, eventually settling in San Francisco, the epicentre of the Ghadar</li> </ul>	<ul style="list-style-type: none"> <li>• He arrived in India with the intention of accelerating and radicalising the anti-colonial struggle, bringing with him arms and Ghadarite propaganda.</li> <li>• However, on 30th August 1927, he was arrested in Amritsar under the Arms Act.</li> <li>• Udham Singh was sentenced to five years' imprisonment.</li> <li>• Since he was a difficult prisoner for the authorities to manage, he was transferred from one jail to another.</li> </ul>	<ul style="list-style-type: none"> <li>• He is known as the “patient assassin” or the “lone assassin” who shot dead Michael O’Dwyer, the Lieutenant Governor of Punjab under whose administration the infamous Amritsar massacre took place and who later even endorsed Brigadier-</li> </ul>	<ul style="list-style-type: none"> <li>• In addition to his involvement with the Ghadar Party, Singh also launched his own party, the Azad Party, as an offshoot of the Ghadar movement.</li> </ul>

<p>movement in North America.</p> <ul style="list-style-type: none"> <li>As a member of the US-based Ghadar movement, Udham Singh acquainted himself with its literature and travelled across the country on behalf of the party to recruit members and raise funds.</li> </ul>	<ul style="list-style-type: none"> <li>It was in one of those jails that he met Bhagat Singh.</li> <li>Bhagat Singh and other revolutionaries from the Hindustan Socialist Republican Association (HSRA) were imprisoned in Mianwali Jail for killing J.P. Saunders and bombing the Legislative Assembly.</li> <li>Udham Singh quickly befriended Bhagat Singh and was so captivated by his charisma that he called him his “guru” and “best friend”, and carried a photo of him in his wallet.</li> </ul>	<p>General Dyer, the perpetrator of the killings.</p>	
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**Context – PM paid tribute to martyrs ahead of Independence Day**

**Q.2) Which of the below given pairs is/are correctly matched?**

Solar Power Plant	State
Ramagundam floating solar Power Plant	Telangana
Kayamkulam Floating Solar Power Plant	Tamil Nadu
Kamuthi Solar Power Plant	Kerala
Bhadla Solar Park	Rajasthan

**Choose the correct code:**

- a) 2, 3 and 4
- b) 1 and 4
- c) 1, 2, 3 and 4
- d) 1, 2 and 3

**Q.2) Solution (b)****Option b****Correct**

In a recent event Prime Minister dedicated and laid the foundation stone of various green energy projects of NTPC worth over Rs 5200 crore.

He inaugurated the 100 MW Ramagundam Floating Solar Project in Telangana and the 92 MW Kayamkulam Floating Solar Project in Kerala.

He laid the foundation stone of the 735 MW Nokh Solar Project in Rajasthan.

Kamuthi Solar Power Project is a photovoltaic power station spread over an area of 2,500 acres in Kamuthi, Ramanathapuram district, 90 km from Madurai, Tamil Nadu.

With a generating capacity of 648 MWp at a single location, it is the world's 12th largest solar park based on capacity.

Bhadla Solar Park is spread over a total area of 5,700 hectares (14,000 acres) in Bhadla, Phalodi tehsil, Jodhpur district, Rajasthan, India.

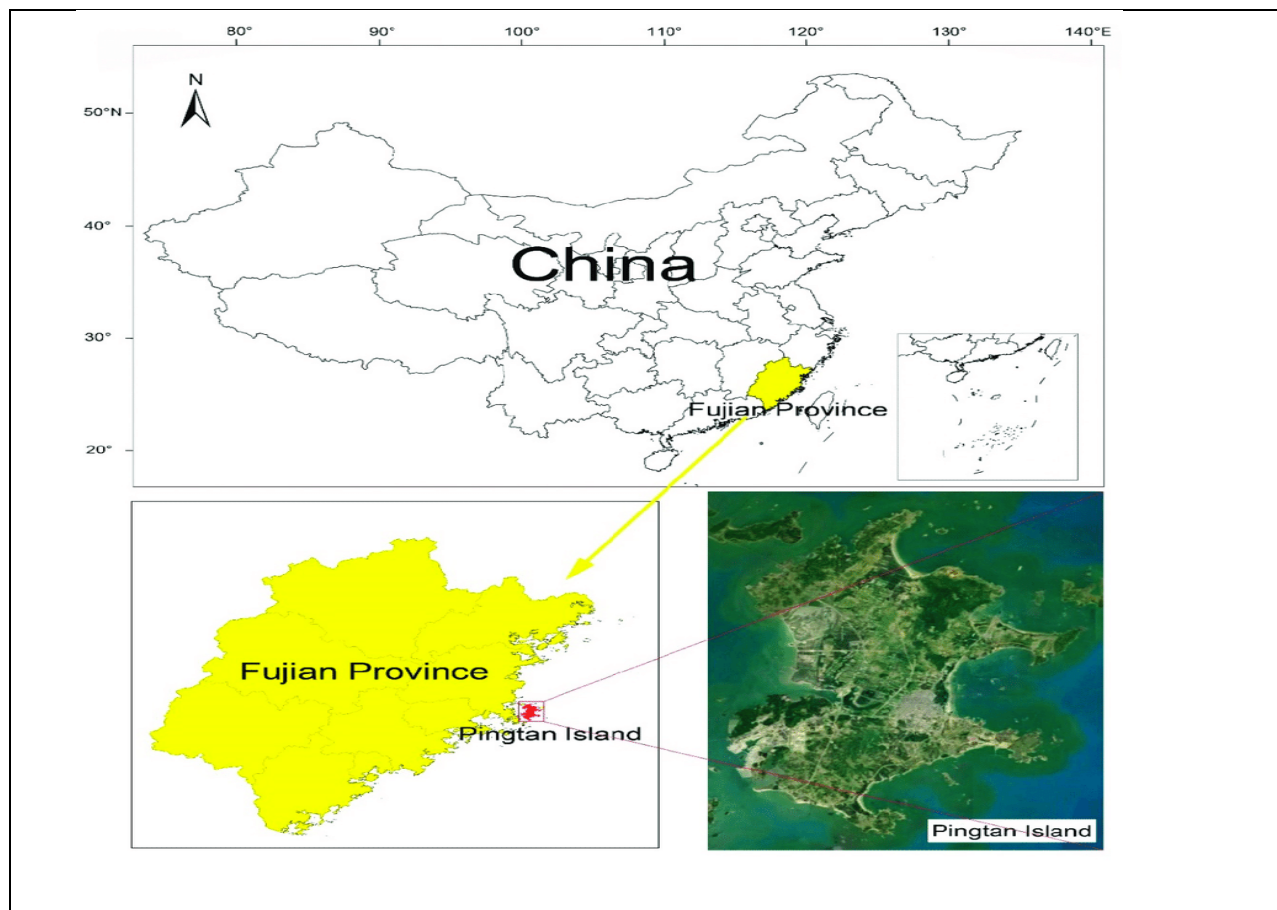
The park has a total capacity of 2245 MW.

**Context - PM launched the National Solar rooftop portal****Q.3) Pingtan islands recently in news belongs to which of the following country**

- a) Russia
- b) Japan
- c) South Korea
- d) China

**Q.3) Solution (d)****Option d****Correct**

- China's military exercise comes ahead of U.S. Speaker Nancy Pelosi's plans to visit to the island (Taiwan) country.
- China said it was conducting military exercises off its coast opposite Taiwan after warning Speaker Nancy Pelosi of the U.S. House of Representatives to scrap possible plans to visit the island democracy, which Beijing claims as part of its territory.
- The ruling Communist Party's military wing, the People's Liberation Army, was conducting "live-fire exercises" near the Pingtan islands off Fujian province, China.



**Context – China announced a military exercise near this region**

**Q.4) Consider the following statements International Financial Services Centres (IFSC)**

1. It has been established under Special Economic Zones Act of 2005
2. All members of the IFSC Authority will have a term of five years and are not eligible for reappointment.

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.4) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The International Financial Services Centres Authority (IFSCA) has been established on April 27, 2020 under the International Financial Services Centres Authority Act, 2019. It is headquartered at GIFT City, Gandhinagar in Gujarat.	The International Financial Services Centres Authority will consist of nine members, appointed by the central government. Term: All members of the IFSC Authority will have a term of three years, subject to reappointment.

**Context: PM Modi laid foundation stone of IFSCA HQ in Gandhinagar**

**Q.5) Consider the following statements with respect to 'Monitoring of Illegal Killing of Elephants(MIKE) programme'**

1. The objectives of the MIKE Programme are set out in the Bonn convention
2. All the MIKE sites in India are located in Eastern and Northern-Eastern India
3. The MIKE Programme is entirely dependent on donor support

**Choose the correct answer using the code given below**

- a) 1 only
- b) 1 and 2 only
- c) 3 only
- d) 2 and 3 only

**Q.5) Solution(c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
The objectives of the MIKE	The MIKE sites in India are	The MIKE Programme is

<p>Programme are set out in the Convention on International Trade in Endangered Species (CITES) under Resolution 10:10. Convention on Migratory Species is also known as Bonn Convention.</p>	<p>Chirang-Ripu Elephant Reserve, Deomali Elephant Reserve, Dihing Patkai Elephant Reserve, Garo Hills Elephant Reserve, Eastern Dooars Elephant Reserve, Mayurbhanj Elephant Reserve, Shivalik Elephant Reserve, Mysore Elephant Reserve, Nilgiri Elephant Reserve and Wayanad Elephant Reserve. They are located in South India as well</p>	<p>entirely dependent on donor support. The European Union has been the most important donor for the MIKE Programme and has funded implementation in Africa since its inception in 2001.</p>
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**Context – The programme was in news.**

**Q.6) Consider the following statements about ‘Drones Rules, 2021’**

1. An approval from Local Body is required for operation of drones in green zones.
2. Law enforcement agencies have been empowered under the Rules to declare a temporary red zone for a specified period.
3. Every drone, including those meant for R&D purposes is required to be registered with Digital Sky platform.

**Choose the correct statements:**

- a) 1 only
- b) 2 only
- c) 1, 2 and 3
- d) 3 only

**Q.6) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
Every drone, except for those meant for research, development and testing purposes, is required to be	The State Government, the Union Territory Administration and Law enforcement agencies have	Drones are required to have the necessary type certification issued by Directorate General of Civil

<p>registered and should have a Unique Identification Number (UIN). An airspace map of the country segregating the entire airspace into red, yellow and green zones is available on the digital sky platform. Operation of drones in red and yellow zones is subject to the approval of the Central Government and the concerned Air Traffic Control (ATC) authority respectively. No approval is required for operation of drones in green zones</p>	<p>been empowered under the Rules to declare a temporary red zone for a specified period.</p>	<p>Aviation (DGCA). No type certification is however required in case of nano drones (up to 250 gram all-up weight) and model drones made for research and recreation purpose.</p>
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**Context – Drone rules of 2021 were in news**

**Q.7) Consider the following statements about Space Liability Convention of 1972**

1. The Launching States are liable for the damage caused by their space objects on the surface of the earth.
2. The convention also holds the launching States responsible for the space junk crashing back to earth.

**Choose the correct statements:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.7) Solution (a)**

**Statement Analysis**

Statement 1	Statement 2
Correct	Incorrect
The Space Liability Convention of 1972 defines responsibility in case a space object causes	There is no law against space junk crashing back to earth.



harm. The treaty says that a launching State shall be absolutely liable to pay compensation for damage caused by its space objects on the surface of the earth or to aircraft, and liable for damage due to its faults in space. The Convention also provides for procedures for the settlement of claims for damages

### Context – Debris from a Chinese rocket fell back to Earth over Malaysia

#### Q.8) Consider the following statements about International North-South Transport Corridor (INSTC)

1. It is a multi-modal transportation established by India, Russia and Iraq in St. Petersburg, 2000.
2. This corridor connects Indian Ocean and Persian Gulf to the Black Sea via Iran.

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

#### Q.8) Solution (c)

#### Statement Analysis:

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The INSTC is a 7,200 km-long multimodal transportation network encompassing sea, road, and rail routes to offer the shortest route of connectivity. It was established on 12th September 2000 in St. Petersburg, by	It links the Indian Ocean to the Caspian Sea via the Persian Gulf onwards into Russia and Northern Europe.

Iran, Russia and India for the purpose of promoting transportation cooperation among the Member States.



**Context – Chabahar Port to be linked with INSTC to enhance connectivity with Central Asia**

**Q.9) Consider the following statements regarding Chakma and Hajong community**

1. They fled Myanmar and migrated to Arunachal Pradesh in 1964-65
2. They have been granted citizenship under Citizenship Amendment Act of 2019

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.9) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
They fled erstwhile East Pakistan (now Bangladesh) in 1964-65 and came to India and settled in Arunachal Pradesh. They are ethnic people who lived in the Chittagong Hill Tracts, most of which are located in Bangladesh.	Chakma and the Hajong migrants had submitted their citizenship applications under Section 5 of the 1955 Citizenship Act. The rest are 'Citizens by Birth' as per Section 3 of the 1955 Citizenship Act. They do not directly come into the ambit of the Citizenship Amendment Act, 2019 (CAA) because Arunachal Pradesh is among the states

	exempted from the CAA since it has an Inner Line Permit to regulate entry of outsiders.
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**Context: Arunachal suspends residential proof certificates, upsets Chakma-Hajong bodies**

**Q.10) 'AL NAJAH IV' is a joint military exercise conducted between India and**

- a) United Arab Emirates
- b) Iran
- c) Oman
- d) Saudi Arabia

**Q.10) Solution(c)**

The 4th Edition of India Oman Joint Military Exercise 'AL NAJAH-IV' between contingents of Indian Army and the Royal Army of Oman is scheduled to take place at the Foreign Training Node of Mahajan Field Firing Ranges (Rajasthan) from 01 to 13 August 2022. The Royal Army of Oman contingent comprising 60 personnel from the Sultan of Oman Parachute Regiment have arrived at the exercise location.

**Context - Royal Army of Oman Contingent for Joint Exercise Al NAJAH-IV Arrive in India**

**Q.11) Consider the following statements about Mission Amrit Sarovar**

1. The Mission is aimed at developing and rejuvenating 75 water bodies in each district of the country.
2. Bhaskaracharya National Institute for Space Application and Geo-informatics (BISAG-N) is the technical partner for the Mission.
3. NITI Aayog is the implementing agency at the State Level.

**Choose the correct statements:**

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

**Q.11) Solution (a)**

**Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• With a view to conserve water for the future, the Prime Minister launched a new Mission on Amrit Sarovar on 24th April 2022.</li> <li>• The Mission is aimed at developing and rejuvenating 75 water bodies in each district of the country as a part of celebration of Azadi ka Amrit Mahotsav.</li> <li>• In total, it would lead to creation of 50,000 water bodies of a size of about an Acre or more.</li> </ul>	<ul style="list-style-type: none"> <li>• Bhaskaracharya National Institute for Space Application and Geoinformatics (BISAG-N) has been engaged as Technical partner for the Mission.</li> <li>• The Mission works through the States and Districts, through refocusing of various schemes such as Mahatma Gandhi NREGS, XV Finance Commission Grants, PMKSY sub schemes such as Watershed Development Component, Har Khet Ko Pani besides States' own schemes.</li> <li>• It may also be mentioned that the Mission encourages mobilisation of citizen and non-govt resources for supplementing these efforts.</li> </ul>	<ul style="list-style-type: none"> <li>• This Mission has been launched with a whole of Government Approach in which 6 Ministries/Department namely Dept of Rural Development, Department of land resources, Department of Drinking Water and Sanitation, Department of Water resources, Ministry of Panchayati Raj, Ministry of Forest, Environment and Climate changes.</li> </ul>

**Context – The scheme was in news**

**Q.12) Consider the following statements**

1. National Waterway 1 passes through four states.
2. National Waterway 2 is on River Brahmaputra water system.
3. National Waterway 3 runs from Kollam to Kottapuram in Kerala.
4. National Waterway 4 includes River Godavari and River Krishna water systems.

Choose the **incorrect** statements:

- a) 1 and 3

- b) 2 and 4
- c) None
- d) 1 and 4

**Q.12) Solution (c)****Statement Analysis**

Statement 1	Statement 2	Statement 3	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
NW-1: Ganga-Bhagirathi-Hooghly River System (Haldia - Allahabad)  Location: Uttar Pradesh, Bihar, Jharkhand and West Bengal	NW-2: Brahmaputra River (Dhubri - Sadiya)  Location: Assam	NW-3: West Coast Canal (Kottapuram - Kollam), Champakara and Udyogmandal Canals  Location: Kerala	Kakinada-Puducherry canal stretch (767km) along with Godavari River stretch (171km) between (Bhadrachalam and Rajhamundry) and Krishna River stretch (157km) between (Wazirabad and Vijaywada) is termed as NW-4.

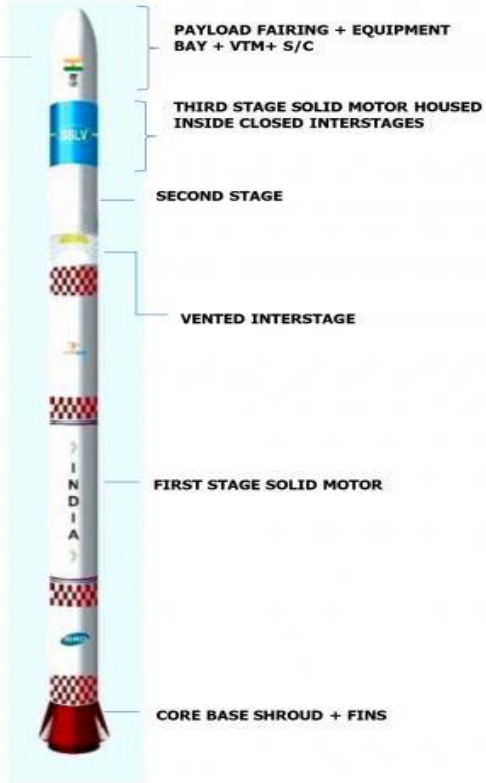
**Context – Development of National Waterway -4 was in news****Q.13) Consider the following statements about Small Satellite Launch Vehicle (SSLV)**

1. It is a launch vehicle designed to orbit satellites weighing less than 500kg in Low Earth Orbit.
2. It is a 3 stage rocket configured with 3 Solid Propulsion Stages and liquid propulsion-based Velocity Trimming Module as a terminal stage.

**Choose the correct statements:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.13) Solution (c)****Statement Analysis**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• SSLV is a rocket that is designed to orbit satellites weighing less than 500kg in Low Earth Orbit and 300 kg to Sun Synchronous Orbit (SSO).</li> <li>• SSLV is the smallest vehicle at 110-ton mass at ISRO.</li> <li>• It will take only 72 hours to integrate, unlike the 70 days taken now for a launch vehicle.</li> <li>• The other features include: flexibility in accommodating multiple satellites, Launch on demand feasibility, minimal launch infrastructure requirements, etc.</li> </ul>	<ul style="list-style-type: none"> <li>• It is a 3 stage Launch Vehicle configured with three Solid Propulsion Stages and liquid propulsion-based Velocity Trimming Module (VTM) as a terminal stage.</li> </ul> 

**Context – ISRO will undertake first flight of SSLV soon**

**Q.14) Consider the following statements regarding United Nations Peacekeeping Force (UNPF)**

1. Peacekeepers are recruited directly by selection committee of United Nations General Assembly and are also called as UN Army
2. They are often referred to as Blue Berets or Blue Helmets

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2

d) Neither 1 nor 2

**Q.14) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
Peacekeepers remain members of their respective armed forces, and do not constitute an independent "UN army", as the UN does not have such a force. In cases where direct UN involvement is not considered appropriate or feasible, the Council authorizes regional organizations such as NATO, the Economic Community of West African States, or coalitions of willing countries to undertake peacekeeping or peace-enforcement tasks.	They are often referred to as Blue Berets or Blue Helmets because of their light blue berets or helmets

**Context: In a recent violent conflict in the DRC, two BSF personnel were killed**

**Q.15) 'Minerals Security Partnership' seen in news is used in the context of**

- a) Maritime security
- b) Rare earth materials
- c) Hydrocarbons and mineral oil
- d) Major minerals supply chain

**Q.15) Solution(b)**

The United States, along with partner countries including Australia, Canada, Germany and the UK announced the formation of the Minerals Security Partnership (MSP), a pact that will focus on securing a steady supply of rare earth material for its members. The MSP will help member countries ensure they have a reliable supply of rare earth material in the years to come, which are used to manufacture electric vehicle batteries, as well as batteries for consumer electronics. MSP members include Australia, Canada, Finland, France, Germany, Japan, the Republic of Korea, Sweden, the United Kingdom, the United States, and the European Commission.

**Context – The grouping was in news.**

**Q.16)** Which of the below given pairs is/are **incorrectly** matched?

Wetland	State
Satkosia Gorge	Karnataka
Nanda Lake	Goa
Vembannur Wetland Complex	Kerala
Ranganathittu Bird Sanctuary	Tamil Nadu

**Choose the correct code:**

- a) 1, 3 and 4
- b) 2 and 4
- c) 1 and 2
- d) None

**Q.16) Solution (a)**

**Option a**

**Correct**

India adds 10 more wetlands designated as Ramsar sites to make total 64 sites covering an area of 12,50,361 ha in the country. The 10 new sites include: Six (6) sites in Tamil Nadu and One (1) each in Goa, Karnataka, Madhya Pradesh and Odisha.

- Tamil Nadu - Koonthankulam Bird Sanctuary, Gulf of Mannar Marine Biosphere Reserve, Vembannur Wetland Complex, Vellode Bird Sanctuary, Vedanthangal Bird Sanctuary and Udhayamarthandapuram Bird Sanctuary
- Odisha - Satkosia Gorge
- Goa - Nanda Lake
- Kerala - Vembannur Wetland Complex
- Karnataka - Ranganathittu Bird Sanctuary
- Madhya Pradesh - Sirpur wetland

**Context - India adds 10 more wetlands designated as Ramsar sites to make total 64 sites**

**Q.17) Consider the following statements about Exercise Pitch Black**

1. It is the biennial exercise hosted by the Australian Air Force.
2. Only the members of Quad grouping are allowed to participate in the exercise.

**Choose the correct statements:**



- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.17) Solution (a)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
Continuing the series of military exercises with countries in the Indo-Pacific, the Indian Air Force (IAF) will join 16 other nations, including Quad partners, later this month for Exercise Pitch Black, the biennial exercise hosted by the Australian Air Force.	The exercise will host up to 2500 personnel and up to 100 aircraft from around the globe including participants from Australia, France, Germany, Indonesia, India, Singapore, Japan, Republic of Korea, UK, the Philippines, Thailand, UAE, Canada, Netherlands, Malaysia, New Zealand and the US. Significantly, Germany, Japan, and the Republic of Korea will be participating fully for the first time.

**Context – India to participate in Operation Pitch Black in Australia****Q.18) Consider the following statements**

1. Cotton leaf curl disease (CLCuD) is a viral disease of plants caused by whitefly attacks.
2. The leaves of infected cotton curl both upward and downward.

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.18) Solution (d)****Statement Analysis**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
The whitefly attacks have led to the spread of	Leaves of infected cotton curl both upward

cotton leaf curl disease (CLCuD) across the cotton belt of Punjab, Haryana and Rajasthan. CLCuD is a viral disease that affects the overall growth of the cotton plant and hits its yield.	and downward.
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**Context – Whitefly attacks have led to cotton curl leaf disease in Punjab, Rajasthan and Haryana.**

**Q.19) Consider the following statements regarding Convention on International Trade in Endangered Species of Wild Fauna and Flora(CITES)**

1. All member states of the United Nations are party to the treaty
2. CITES is legally binding on the Parties
3. The treaty consists of three Appendices with Appendix I having the highest protection

**Select the correct statement(s)**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.19) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
CITES is a multilateral treaty to protect endangered plants and animals. All member states of the United Nations are party to the treaty, with the “exception” of Democratic People's Republic of Korea, Federated States of Micronesia, Haiti, Kiribati, Marshall Islands, Nauru, South Sudan, East Timor, Turkmenistan, and Tuvalu.	CITES is legally binding on the Parties, it does not take the place of national laws. Rather it provides a framework respected by each Party, which must adopt their own domestic legislation to implement CITES at the national level. CITES was drafted as a result of a resolution adopted in 1963 at a meeting of members of the IUCN.	Each protected species or population is included in one of three lists, called appendices. The Appendix that lists a species or population reflects the extent of the threat to it and the controls that apply to the trade. Appendix I, about 1,200 species, are species that are threatened with extinction and are or may be affected by trade. Commercial trade in

		<p>wild-caught specimens of these species is illegal (permitted only in exceptional licensed circumstances)</p> <p>Appendix II, about 21,000 species, are species that are not necessarily threatened with extinction, but may become so unless trade in specimens of such species is subject to strict regulation in order to avoid utilization incompatible with the survival of the species in the wild.</p> <p>Appendix III, about 170 species, are species that are listed after one member country has asked other CITES Parties for assistance in controlling trade in a species.</p>
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**Context: The key thrust of the Wildlife (protection) amendment bill is to make Indian Laws compatible to CITES.**

**Q.20) Changra goat seen in news is native to**

- a) Arunachal Pradesh
- b) Sikkim
- c) Himachal Pradesh
- d) Ladakh

**Q.20) Solution(d)**

The Changthangi or Changpa or Changra is a breed of cashmere goat native to the high plateaus of Ladakh in northern India. It is closely associated with the nomadic Changpa people of the Changthang plateau. It may also be known as the Ladakh Pashmina or Kashmiri. The intense cold of the region causes the goats to grow a thick undercoat, which is harvested to produce the fine pashmina grade of cashmere.

**Context - Ministry of Textiles approved Pashmina Wool Development Scheme under Integrated Wool Development Programme (IWDP).**

**Q.21) Consider the following statements regarding Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)**

1. It aims to enhance livelihood security in rural areas by providing at least three months of wage employment
2. Social Audit is mandatory for works carried out under MGNREGA
3. MGNREGA scheme forms a part of core-of-the-core scheme.

**Select the correct statement(s) using the code given below**

- a) 1 only
- b) 2 and 3 only
- c) 3 only
- d) 1 and 2 only

**Q.21) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
It aims to enhance livelihood security in rural areas by providing at least 100 days of wage employment in a financial year to at least one member of every household whose adult members volunteer to do unskilled manual work. Women are guaranteed one third of the jobs made available under the MGNREGA	Section 17 of the MGNREGA has mandated Social audit of all Works executed under the MGNREGA. The Ministry of Rural Development (MRD), Govt of India is monitoring the entire implementation of this scheme in association with state governments.	For core-of-the-core schemes like Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), the Union government gives majority of the funding to states.

**Context: A report stated that 4 south Indian states had topped Misuse of MGNREGA.**

**Q.22) Consider the following statements regarding fair and remunerative price (FRP)**

1. FRP is the price declared by the government, which mills are legally bound to pay to farmers for the cane procured from them.
2. The payment of FRP across the country is governed under the Essential Commodities Act (ECA), 1955

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.22) Solution (c)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
FRP is the price declared by the government, which mills are legally bound to pay to farmers for the cane procured from them. Mills have the option of signing an agreement with farmers, which would allow them to pay the FRP in installments. Delays in payment can attract an interest up to 15% per annum, and the sugar commissioner can recover unpaid FRP as dues in revenue recovery by attaching properties of the mills	The payment of FRP across the country is governed by the Sugarcane Control order, 1966 issued under the Essential Commodities Act (ECA), 1955 which mandates payment within 14 days of the date of delivery of the cane. It has been determined on the recommendation of the Commission for Agricultural Costs and Prices (CACCP) and announced by the Cabinet Committee on Economic Affairs (CCEA).

**Context: Centre increases Fair and Remunerative Price on sugarcane.**

**Q.23) Consider the following statements with respect to 'National Anti-Doping Bill 2022'**

1. The Bill prohibits athletes, athlete support personnel and other persons from engaging in doping
2. The Bill provides for constituting NADA as a statutory body headed by a Director General appointed by the central government

3. It also seeks to give effect to the International Olympic Committee's International Convention against doping in sports

Select the correct statement(s) using the code given below

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.23) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
The Bill prohibits athletes, athlete support personnel and other persons from engaging in doping. Under the new legislation, violation of anti-doping rules may result in disqualification of results including forfeiture of medals, points and prizes, ineligibility to participate in a competition or event for a prescribed period, and financial sanctions.	The Bill provides for constituting NADA as a statutory body headed by a Director General appointed by the central government. The functions of the Agency include planning, implementing and monitoring anti-doping activities, and investigating anti-doping rule violations.	It also seeks to give effect to the United Nations Educational, Scientific and Cultural Organization International Convention against doping in sports and compliance with such other obligations and commitments.

**Context - The Rajya Sabha passed the National Anti-Doping Bill 2022 last evening.**

**Q.24) With reference to 'Trade Deficit', consider the following statements**

- 1. If trade deficit increases, GDP of a country decreases
- 2. A higher trade deficit can decrease the local currency's value

Select the **INCORRECT** statement(s)

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.24) Solution(d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
Trade deficit is one factor used to calculate a country's Gross Domestic Product (GDP), a measure of the size of the economy. If the trade deficit increases, the GDP decreases.	A higher trade deficit can decrease the local currency's value. This is because the demand for foreign currency is more than the foreign demand for local currency

**Context - India's trade deficit has widened to a record \$31.02 billion in July.**

**Q.25) 'Chandler Wobble' seen in news is related to**

- a) Superconductivity
- b) Quantum tunnelling
- c) Rotation of Earth
- d) Black hole

**Q.25) Solution(c)**

The Chandler wobble or Chandler variation of latitude is a small deviation in the Earth's axis of rotation relative to the solid earth, which was discovered by and named after American astronomer Seth Carlo Chandler in 1891. The Chandler wobble is an example of the kind of motion that can occur for a freely rotating object that is not a sphere; this is called a free nutation. Somewhat confusingly, the direction of the Earth's rotation axis relative to the stars also varies with different periods, and these motions—caused by the tidal forces of the Moon and Sun—are also called nutations, except for the slowest, which are precessions of the equinoxes.

**Context – The phenomenon caused the shortest day according to scientists.**

**Q.26) Consider the following statements about Criminal Procedure (Identification) Act, 2022**

1. The Act empowers the authorities to collect physical and biological samples of the person detained under any preventive detention law.
2. Refusal to give data is considered an offence under the act.
3. The National Crime Records Bureau is the central agency to maintain the records of collected samples.

**Choose the correct statements:**

- a) 1 and 2
- b) 2 and 3
- c) 1, 2 and 3
- d) 1 and 3

**Q.26) Solution (c)****Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
<p>Criminal Procedure (Identification) Act, 2022 expands:</p> <ul style="list-style-type: none"> <li>○ the type of data that may be collected,</li> <li>○ persons from whom such data may be collected, and</li> <li>○ the authority that may authorise such collection.</li> </ul> <p>Persons whose data may be collected:</p> <ul style="list-style-type: none"> <li>○ Convicted or arrested for any offence. However, biological samples may be taken forcibly only from persons arrested for offences against a woman</li> </ul>	<ul style="list-style-type: none"> <li>• Under the act, resistance or refusal to give data will be considered an offence of obstructing a public servant from doing his duty.</li> </ul>	<ul style="list-style-type: none"> <li>• The National Crime Records Bureau (NCRB) will be the central agency to maintain the records.</li> <li>• It will share the data with law enforcement agencies.</li> <li>• Further, states/UTs may notify agencies to collect, preserve, and share data in their respective jurisdictions.</li> <li>• The data collected will be retained in digital or electronic form for 75 years. Records will be destroyed in case of persons who are acquitted after all appeals, or</li> </ul>



<p>or a child, or if the offence carries a minimum of seven years imprisonment</p> <ul style="list-style-type: none"> <li>○ Persons detained under any preventive detention law</li> <li>○ On the order of Magistrate, from any person (not just an arrested person) to aid investigation</li> </ul>		<p>released without trial.</p>
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**Context – This Act came into effect today**

**Q.27) Consider the following statements**

1. Lifestyle for the Environment (LiFE) is an intergovernmental organization led by India and France to bring individual behaviors at the forefront of the global climate action narrative.
2. LiFE envisions replacing the prevalent 'use-and-dispose' economy with a circular economy.
3. LiFE Global Call for Ideas and Papers is an initiative of the Government of India to invite papers/ ideas from across the world to drive climate-friendly behaviours.

Choose the **incorrect** statements:

- a) 1 only
- b) 1 and 3
- c) 3 only
- d) None

**Q.27) Solution (a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• The concept of 'Lifestyle for the Environment' was introduced by Indian PM during the 26th United</li> </ul>	<ul style="list-style-type: none"> <li>• LiFE envisions replacing the prevalent 'use-and-dispose' economy—governed by mindless and</li> </ul>	<ul style="list-style-type: none"> <li>• The launch also initiated the 'LiFE Global Call for Ideas and Papers', inviting individuals, universities,</li> </ul>

<p>Nations Climate Change Conference of the Parties (COP26) in Glasgow in 2021 which urged people to make changes in one's lifestyles that would contribute towards saving the environment.</p> <ul style="list-style-type: none"> <li>• LiFE is first-of-its-kind global movement, led by India in partnership with other countries that will provide the world with a unique people-powered platform to relentlessly focus on bringing individual and collective actions to the core of the climate action narrative.</li> </ul>	<p>destructive consumption—with a circular economy, which would be defined by mindful and deliberate utilization.</p> <ul style="list-style-type: none"> <li>• The Mission intends to nudge individuals to undertake simple acts in their daily lives that can contribute significantly to climate change when embraced across the world.</li> </ul>	<p>think tanks, non-profits and others worldwide to submit measurable and scalable behavior change solutions that can drive climate-friendly behaviors.</p>
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**Context – This initiative was in news**

**Q.28) Mission Raftaar project is associated with?**

- a) Road Transport
- b) Air Transport
- c) Water Transport
- d) Rail Transport

**Q.28) Solution (d)**

Mission Raftaar is a 'Mission' envisaged for speed enhancement and to achieve a target of doubling average speed of freight trains and increasing the average speed of Superfast /mail/Express trains by 25 kmph.

**Context - There is marked improvement in average freight train speed after this scheme came into existence.**

**Q.29) Consider the following statements about Maintenance and Welfare of Parents and Senior Citizens Act, 2007**

1. Children are under legal obligation to maintain either or both of their parents according to this Act
2. The definition of Parent in the Act means father or mother of only biological nature

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.29) Solution (a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<p>Maintenance and Welfare of Parents and Senior Citizens Act, 2007 is a legislation, initiated by Ministry of Social Justice and Empowerment, Government of India to provide more effective provision for maintenance and welfare of parents and senior citizens.</p> <p>It makes it a “legal obligation” for children and heirs to provide maintenance to senior citizens and parents, by monthly allowance.</p> <p>It also provides simple, speedy and inexpensive mechanism for the protection of life and property of the older persons.</p>	<p>Parent means father or mother whether biological, adoptive or step father or stepmother, whether or not father or mother is a senior citizen</p>

**Context: The Delhi High Court ordered the Delhi government to ensure strict compliance with the above Act**

**Q.30) Consider the following statements with respect to Startup India Seed Fund Scheme (SISFS)**

1. The Fund aims to provide financial assistance to startups for proof of concept, prototype development and product trials

2. A startup to avail this scheme should be recognized by DPIIT and incorporated not more than 5 years ago at the time of application

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.30) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
It provides financial assistance to eligible Department for Promotion of Industry and Internal Trade (DPIIT) recognised startups for proof of concept, prototype development, product trials, market entry and commercialization. SISFS is disbursed to eligible startups through eligible incubators across India.	A startup, recognized by DPIIT, incorporated not more than 2 years ago at the time of application to avail this scheme

**Context - Rs. 375.25 crore approved to 102 incubators under the Startup India Seed Fund Scheme (SISFS) so far**

**Q.31) Consider the following statements**

1. The Vice President (VP) is the second highest constitutional office in India.
2. The Electoral College of the VP consists of both elected and nominated members from Lok Sabha and Rajya Sabha.
3. VP can be removed from his office by a resolution raised only in Rajya sabha and passed by effective majority by Lok Sabha

**Choose the correct statements:**

- a) 1 and 2 only
- b) 1 only
- c) 2 and 3 only
- d) 1, 2 and 3

**Q.31) Solution (a)**

**Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• The Vice President is the second highest constitutional office in India.</li> <li>• The Vice President is the ex-officio Chairperson of the Council of States/Rajya Sabha.</li> </ul>	<p>Electoral College:</p> <ul style="list-style-type: none"> <li>• As per Article 66 of the Constitution of India, the Vice-President is elected by the members of the Electoral College.</li> <li>• He is elected in accordance with the system of proportional representation by means of the single transferable vote and the voting at such election shall be by secret ballot</li> <li>• Electoral College consists of:</li> <li>• Elected and nominated members from Lok Sabha and Rajya Sabha only</li> </ul>	<p>Removal of Vice-president</p> <ul style="list-style-type: none"> <li>• A formal impeachment like in the case of the President of India is not required for the removal of Vice-President</li> <li>• VP can be removed from his office by a resolution raised only in Rajya sabha, passed by effective majority &amp; agreed upon by simple majority in Lok sabha.</li> <li>• Prior to passing the resolution in Rajya sabha, a 14 days notice should be served to the Vice-President.</li> </ul>

**Context – Vice President was recently elected**

**Q.32) Which of the below give pairs is/are correctly matched?**

Reservoirs	State
Mullaperiyar Dam	Kerala
Ukai Dam	Odisha

Almatti Dam	Jharkhand
Gandhi Sagar Dam	Madhya Pradesh

Choose the correct code:

- a) 1 and 4
- b) 1, 2 and 4
- c) 1, 3 and 4
- d) 2 and 3

**Q.32) Solution (a)**

**Option a**

**Correct**

- The Mullaperiyar, a 126-year-old dam, is located on the confluence of the Mullayar and Periyar rivers in Kerala's Idukki district.
- The Ukai Dam, constructed across the Tapi River, is the second largest reservoir in Gujarat after the Sardar Sarovar. It is also known as Vallabh Sagar.
- The Lal Bahadur Shastri Dam is also known as Almatti Dam is a hydroelectric project on the Krishna River in North Karnataka.
- The Gandhi Sagar Dam is one of the four major dams built on India's Chambal River. The dam is located in the Mandsaur, districts of the state of Madhya Pradesh.

**Context – These dams were in news**

**Q.33) Consider the following statements**

1. Cabinet Secretary is under the direct charge of the Prime Minister.
2. Cabinet Secretary ranks seventh on the Indian order of precedence.
3. Cabinet Secretariat is responsible for the administration of the Transaction of Business and the Allocation of Business Rules 1961.

Choose the **incorrect** statements:

- a) 1 and 2
- b) 2 and 3
- c) 1 only
- d) 2 only

**Q.33) Solution (d)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
The Cabinet Secretary is the top-most executive official and senior-most civil servant of the Government of India. She/he is under the direct charge of the PM and is appointed for a fixed tenure of two years.	She/he is the ex-officio head of the Civil Services Board, the Cabinet Secretariat, the IAS, and all civil services under the rules of business of the government. She/he ranks eleventh on the Indian order of precedence.	The Cabinet Secretariat is responsible for the administration of the Transaction of Business and the Allocation of Business Rules 1961.

**Context – Cabinet Secretary got a one year extension.**

**Q.34) Consider the following statements related to Rashtriya Arogya Nidhi(RAN)**

1. RAN is a central sector scheme set up as a fund under Ministry of Health and Family Welfare
2. Assistance for medical treatment in RAN is directly provided to the Patient via Aadhar enabled direct benefit transfer

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.34) Solution(d)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
Earlier known as National Illness Assistance Fund, Rashtriya Arogya Nidhi (RAN) is a centrally sponsored scheme set up a fund	Assistance in RAN is not directly provided to the Patient but is given to the Superintendent of the hospital in which treatment is being

<p>under the Ministry of Health &amp; Family Welfare in 1997 with an aim to provide for financial assistance to patients, living below poverty line who are suffering from major life threatening diseases, to receive medical treatment at any of the super specialty hospitals/institutes or other Govt. hospitals. The states are needed to create their own State Illness funds in which central government provides funding to the extent of 50% of contribution made by State Govt/Union Territories.</p>	<p>taken. Assistance admissible for treatment in Government Hospital only. Central Government/State Government/PSU employees NOT eligible.</p>
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**Context: Delhi High Court questioned why having a ration card was necessary for a citizen to avail financial benefits under the Rashtriya Arogya Nidhi (RAN)**

**Q.35) Regional Standardization Forum seen in news is used in the context of**

- a) Military protocols
- b) Digital transformation
- c) Import duties
- d) Intelligence sharing

**Q.35) Solution(b)**

The Regional Standardization Forum is a platform for constructive exchange of ideas, discussing standardization topics including inter alia India's experience in various sectors of technology like Sustainable Digital Transformation and the Role of ITU Standards, Harnessing Technologies for Digital and Financial Inclusion in Emerging Markets, evolving Data Value Chain and Digital Health.

**Context - ITU's Regional Standardization Forum (RSF) for Asia and Oceania region to be inaugurated soon**

**Q.36) Consider the following statements about Jan Samarth Portal**

1. It provides a common platform for availing loan under certain credit-linked Government schemes.



2. It connects all stakeholders like beneficiaries, financial institutions, Government Agencies on a common platform.
3. Aadhaar number is the only document required to avail benefits under any scheme

**Choose the correct statements:**

- a) 1 only
- b) 2 and 3 only
- c) 1 and 2 only
- d) 1,2 and 3

**Q.36) Solution (c)**

**Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
Applicants can access 13 credit-linked Government Schemes catering to youth, students, entrepreneurs and farmers viz. Education Loans, Agriculture Loans, Business Activity Loans, and Livelihood Loans. It provides a common platform for availing loan under certain credit-linked Government schemes	It connects all stakeholders like beneficiaries, financial institutions, Central/State Government Agencies, and Nodal Agencies on a common platform.	Each scheme has different documentation requirement. To apply online on the portal, the basic documents required would be Aadhaar number, PAN, Bank statements etc.,

**Context – The portal was in news**

**Q.37) Consider the following statements about iDEX initiative**

1. iDEX aims to promote innovation and technology development in Defence and Aerospace by engaging Industries including MSMEs, start-ups.
2. iDEX is funded and managed by a Defence Innovation Organization (DIO), a unit under Defence Research and Development Organization(DRDO)

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2

d) Neither 1 nor 2

### Q.37) Solution (b)

#### Statement Analysis:

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>iDEX aims at creation of an ecosystem to foster innovation and technology development in Defence and Aerospace by engaging Industries including MSMEs, start-ups, individual innovators, R&amp;D institutes &amp; academia.</li> </ul>	<ul style="list-style-type: none"> <li>iDEX will be funded and managed by a 'Defence Innovation Organization (DIO)' which has been formed as a 'not for profit' company as per Section 8 of the Companies Act 2013 for this purpose, by the two founder members i.e. Defence Public Sector Undertakings (DPSUs) - HAL &amp; BEL.</li> <li>iDEX will function as the executive arm of DIO, carrying out all the required activities while DIO will provide high level policy guidance to iDEX.</li> </ul>

**Context - The Government has approved a central sector scheme for iDEX with budgetary support of Rs 498.78 crore for the five years from 2021-22 to 2025-26**

### Q.38) Consider the following statements about Indian Virtual Herbarium

- The portal aims to provide information on the rich floral diversity of India through online access.
- It was developed by the Indian Agricultural Research Institute.

#### Choose the correct statements:

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

### Q.38) Solution (a)

#### Statement Analysis

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<p>Indian Virtual Herbarium Portal</p> <ul style="list-style-type: none"> <li>It aims to provide complete information on herbarium specimens about the floral diversity of India and other countries stored in the cabinet of the herbarium building through online access.</li> <li>The database created is the largest storage of information about plant diversity in India.</li> </ul>	<ul style="list-style-type: none"> <li>It was developed by the scientists of the Botanical Survey of India (BSI).</li> <li>It will also aid the research studies and provide valuable insight for global plant research.</li> <li>Each record in the digital herbarium includes an image of the preserved plant specimen, scientific name, collection locality, and collection date, collector name, and barcode number.</li> </ul>

**Context – It was launched recently.**

**Q.39) Consider the following statements regarding Family Courts**

- It is mandatory for the State Government to set up a Family Court for every city or a town whose population exceeds one million.
- There is no right to appeal, hence the judgement of the court is final and binding on the parties.

**Select the correct statement(s)**

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

**Q.39) Solution (a)**

**Statement analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<p>According to the Family Court Act of 1984, it is mandatory for a State government to set up a family court for every city or a town whose population exceeds one million.</p> <p>It was enacted for the establishment of Family Courts with a view to promote conciliation,</p>	<p>The Family Court Act provides for only one right of appeal which shall lie to the High Court.</p>

and secure speedy settlement of disputes relating to marriage and family affairs and for related matters.	
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**Context: Recently the Rajya Sabha passed the Family Courts (Amendment) Bill, 2022.**

**Q.40) 'Combined Maritime Forces' is a naval partnership based in**

- a) Singapore
- b) Bahrain
- c) United States of America
- d) United Arab Emirates

**Q.40) Solution(b)**

Combined Maritime Forces is a 34-nation maritime partnership based in Bahrain that undertakes counter-terrorism, counter-piracy and regional cooperation. It is commanded by U.S. Navy Vice Admiral. It consists of 34 member countries include Australia, Bahrain, Brazil, France, Japan, Pakistan, United States, Yemen, and others. It comprises of three task forces: CTF 150 (maritime security and counter-terrorism), CTF 151 (counter piracy) and CTF 152 (Arabian Gulf security and cooperation).

**Context – India began co-operating with Combined Maritime Forces.**

**Q.41) Consider the following statements about Quit India Movement**

1. The slogan 'Quit India' was coined by Yusuf Meherally.
2. Women took active participation in the movement.
3. Muslim League and the Hindu Mahasabha pledged complete support to the movement.

**Choose the correct statements:**

- a) 1 only
- b) 2 only
- c) 1 and 2
- d) 1, 2 and 3

**Q.41) Solution (c)**

**Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<p>The slogan 'Quit India'</p> <ul style="list-style-type: none"> <li>• While Gandhi gave the clarion call of Quit India, the slogan was coined by Yusuf Meherally, a socialist and trade unionist who also served as Mayor of Bombay.</li> <li>• A few years ago, in 1928, it was Meherally who had coined the slogan "Simon Go Back".</li> </ul>	<p>Women Participation</p> <ul style="list-style-type: none"> <li>• Women took active participation in the movement. Female leaders like Usha Mehta helped set up an underground radio station which led to the awakening about the movement.</li> </ul>	<ul style="list-style-type: none"> <li>• Muslim League, the Communist Party of India and the Hindu Mahasabha did not support the movement. The Indian bureaucracy also did not support the movement.</li> <li>• The League was not in favour of the British leaving India without partitioning the country first.</li> <li>• The Communist party supported the British since they were allied with the Soviet Union.</li> <li>• The Hindu Mahasabha openly opposed the call for the Quit India Movement and boycotted it officially under the apprehension that the movement would create internal disorder and will endanger internal security during the war.</li> </ul>

**Context – It was in news as India gears up to celebrate 75<sup>th</sup> year of independence.**

**Q.42) Consider the following statements about International Mobile Equipment Identity (IMEI) number**

1. IMEI is a unique number with 15 digits that is used to identify a device on a mobile network.
2. When a person uses the internet through his/her cellular service provider, IMEI number is used to verify the identity of his/her device.

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only

- c) Both 1 and 2  
d) Neither 1 nor 2

**Q.42) Solution (d)****Statement Analysis**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>The International Mobile Equipment Identity or IMEI is a unique number that is used to identify a device on a mobile network. It has 15 digits, and is like your phone's unique identity.</li> </ul>	<ul style="list-style-type: none"> <li>When you use the internet or place a call through your cellular service provider, then this number is used to verify the identity of your device.</li> <li>If you have a dual SIM phone, then you will have two IMEI numbers, one for each slot.</li> </ul>

**Context - Delhi Police is now planning to close ranks with internet service providers and the department of telecommunications to block stolen or robbed phones using IMEI number**

**Q.43) Consider the following statements**

- Ordinances cannot be used to revoke the fundamental rights of the citizens guaranteed by the Indian Constitution.
- To stay a law, the Ordinance must be approved by Parliament within six weeks of its reassembly.
- An ordinance can be re promulgated only once

**Choose the correct statements:**

- a) 1 and 2 only  
b) 2 and 3 only  
c) 1 and 3 only  
d) All the above

**Q.43) Solution (a)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
Ordinances cannot be used to revoke the fundamental rights	To stay a law, the Ordinance must be approved by	An ordinance has to be converted into legislation

of the citizens guaranteed by the Indian Constitution.	Parliament within six weeks of its reassembly. Its existence is terminated if the parliament does not act within six weeks of its reassembly.	within 42 days of commencement of the Parliament session, or else it will lapse. An ordinance can be re-promulgated only thrice.
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**Context – The Governor of Kerala objected to re promulgation of ordinance.**

**Q.44) Consider the following statements regarding “India ki Udaan” initiative**

1. It is a part of Azadi ka Amrit Mahotsav and aims at showcasing the India's rich archives and featuring artistic illustrations.
2. It is an initiative launched by Ministry of culture and Microsoft

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.44) Solution (a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
India ki Udaan Initiative was launched as a part of Azadi ka Amrit Mahotsav. It is the celebration of unwavering and undying spirit of India. It aims to take citizens to the rich culture & heritage of India, by means of its rich archives and featuring artistic illustrations. This project is launched based on the Theme- ‘Unwavering and undying spirit of India over the past 75 years’.	Ministry of Culture has launched “India ki Udaan” initiative in association with Google. This initiative seeks to celebrate unwavering & undying spirit of India and its achievements in last 75 years.

**Context: Culture Ministry launched India Ki Udaan initiative**

**Q.45) 'PARVAZ' a scheme recently launched in Kashmir is related to**

- Reviving tourism
- Market linkage
- Higher education
- Women entrepreneurship

**Q.45) Solution(b)**

Under the scheme, government will provide a subsidy of 25% on freight charges, in a bid to carry perishable fruits through Air Cargo. Subsidy will be provided to farmers through Direct Benefit Transfer mode. Scheme is being implemented by Jammu & Kashmir Horticultural Produce Marketing and Processing Corporation (JKHPMC).

**Context - The government of Jammu & Kashmir launched the "PARVAZ Market Linkage Scheme"**

**Q.46) Consider the following statements about Katchal island**

- It is part of the Nicobar Islands and is located to the south of Sentinel Island.
- Mangrove forest on the Island is of propagule type, meaning they can become detached from a plant and give rise to a new plant.

Choose the **incorrect** statements:

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

**Q.46) Solution (b)**

**Statement Analysis**

Statement 1	Statement 2
Correct	Incorrect
Katchal Island <ul style="list-style-type: none"> <li>It is part of the Nicobar Islands and is located to the south of Sentinel Island.</li> </ul>	<ul style="list-style-type: none"> <li>The mangrove cover on Katchal will not come back as it lacks propagules.</li> <li>A propagule is a vegetative structure that</li> </ul>



- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>The United States National Aeronautics and Space Administration (NASA) recently highlighted the loss of mangrove cover on Katchal island, a part of India's Nicobar archipelago.</li> </ul> | <p>can become detached from a plant and give rise to a new plant.</p> |
|--|---|

**Context – NASA highlighted loss of mangrove cover in this island**

**Q.47) Exercise Vajra Prahar 2022, joint Special Forces exercise conducted between India and?**

- France
- United Kingdom
- United States of America
- Australia

**Q.47) Solution (c)**

<b>Option c</b>
<b>Correct</b>
<ul style="list-style-type: none"> <li>The 13th Edition of the Indo-US Joint Special Forces exercise "Ex Vajra Prahar 2022" commenced at the Special Forces Training School at Bakloh of Himachal Pradesh.</li> <li>The drill aims to improve inter-operability between the special forces of both the countries.</li> <li>This joint exercise is a significant step in strengthening the traditional bond of friendship between the special forces of both nations as well as improve bilateral defence cooperation between India and the US.</li> </ul>

**Context – The military exercise began in Himachal Pradesh**

**Q.48) Consider the following statements about SMILE-75 Initiative**

- Under the initiative, 75 identified Municipal Corporations will undertake comprehensive rehabilitation of persons engaged in the act of begging.
- It is being implemented by Ministry of Housing and Urban Affairs.
- The financial assistance of Rs. 1000 is provided by the central government under the initiative to each beneficiary for the period of 3 years.

**Choose the correct statements:**

- 1 and 2
- 2 and 3
- 1 only

d) 1, 2 and 3

**Q.48) Solution (c)**

**Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>In the spirit of AzadikaAmritMahotsav, the Ministry of Social Justice &amp; Empowerment, Government of India, has identified 75 Municipal Corporations to implement comprehensive rehabilitation of persons engaged in the act of begging under “SMILE: Support for Marginalised Individuals for Livelihood and Enterprise” named as “SMILE-75 Initiative”.</li> <li>Under the SMILE-75 initiative, seventy five (75) Municipal Corporations in collaboration with NGOs and other stakeholders will cover several comprehensive welfare measures for persons who are engaged in the act of begging with focus extensively on rehabilitation, provision of medical facilities, counselling, awareness, education, skill development, economic linkages and convergence with other Government welfare programmes etc.</li> </ul>	It is the initiative of Ministry of Social Justice & Empowerment	There is no such provision in the initiative.

**Context – The initiative is set to be launched soon.**

**Q.49) Consider the following statements regarding Small Satellite Launch Vehicle (SSLV)**

1. SSLV is a three stage Launch Vehicle configured with three Solid Propulsion Stages
2. The launch vehicle can be assembled only vertically unlike PSLV, which can be assembled both vertically as well as horizontally

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.49) Solution (a)****Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
Small Satellite Launch Vehicle (SSLV) is a three stage Launch Vehicle configured with three Solid Propulsion Stages and a liquid propulsion-based Velocity Trimming Module (VTM) as a terminal stage. SSLV is made keeping low cost, low turnaround time in mind with launch-on-demand flexibility under minimal infrastructure requirements	The launch vehicle can be assembled both vertically like the existing PSLV and Geosynchronous Satellite Launch Vehicle (GSLV) and horizontally like the retired Satellite Launch Vehicle (SLV) and Augmented Satellite Launch Vehicle (ASLV).

**Context: First flight of SSLV did not meet the desired results.**

**Q.50) Consider the following statements**

1. India is a founding member of the Global Tiger Forum
2. So far only two Tiger Reserves in the country have got CA|TS international accreditation
3. All the tiger range countries are members of global tiger forum

**Choose the correct answer using the code given below**

- a) 1 only
- b) 2 and 3 only
- c) 3 only
- d) 1 and 2 only

**Q.50) Solution(a)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Incorrect</b>
India is one of the Founding members of the intergovernmental platform	India is home to 52 Tiger Reserves covering approximately 75,000 Sq Km	Global Tiger Forum is an international intergovernmental body

of Tiger Range Countries – Global Tiger Forum	area in 18 States with approximately 75% population of the wild tiger at global level. Also, so far 17 Tiger Reserves in the country have got CA TS international accreditation and two Tiger Reserves have got International Tx2 Award.	exclusively set up for the conservation of tigers in the wild in the range countries. Out of the 13 tiger range countries, seven are currently members of GTF: Bangladesh, Bhutan, Cambodia, India, Myanmar, Nepal and Vietnam besides non-tiger range country U.K. The secretariat is based in New Delhi, India.
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**Context - Pre-summit meeting of the Tiger Range Countries as a prelude to the Tiger Range Countries Summit scheduled to be held at Vladivostok, Russia, is currently in progress in New Delhi.**

**Q.51) Consider the following statements about Pradhan Mantri Awas Yojana-Urban (PMAY-U)**

1. It is implemented as a Centrally Sponsored Scheme.
2. One of the verticals under the scheme includes in situ slum redevelopment with private sector participation.
3. Affordable Rental Housing Complexes that provide ease of living to urban migrants is a sub scheme under PMAY-U.

**Choose the correct statements:**

- a) 3 only
- b) 2 and 3
- c) 1 and 2
- d) 1, 2 and 3

**Q.51) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>The Mission is implemented as a Centrally Sponsored</li> </ul>	Four Verticals of PMAY-U: In Situ Slum Redevelopment (ISSR): <ul style="list-style-type: none"> <li>This vertical will be implemented</li> </ul>	Initiatives under PMAY-U: Affordable Rental Housing Complexes (ARHCs):

<p>Scheme (CSS) except the CLSS vertical of the PMAY-U which is being implemented as a Central Sector Scheme</p>	<p>with the concept “Land as a resource” with private sector participation for providing houses to eligible slum dwellers.</p> <p>Affordable Housing through Credit Linked Subsidy (CLSS):</p> <ul style="list-style-type: none"> <li>Beneficiaries of EWS, LIG, MIG (I &amp; II) seeking housing loans from Banks, Housing Finance Companies and other such institutions for acquiring, new construction or enhancement of houses are eligible for an interest subsidy</li> </ul> <p>Affordable Housing Through Partnership (AHP)</p> <ul style="list-style-type: none"> <li>An affordable housing project can be a mix of houses for different categories but it will be eligible for Central Assistance, if at least 35% of the houses in the project are in the EWS category.</li> </ul> <p>Beneficiary-led individual house construction (BLC):</p> <ul style="list-style-type: none"> <li>Central Assistance up to Rs. 1.5 lakh per EWS house is provided to eligible families belonging to EWS categories for individual house construction/ enhancement.</li> </ul>	<ul style="list-style-type: none"> <li>It is a sub-scheme under PMAY-U.</li> <li>This will provide ease of living to urban migrants/ poor in the Industrial Sector as well as in non-formal urban economies to get access to dignified affordable rental housing close to their workplace.</li> </ul> <p>Global Housing Technology Challenge:</p> <ul style="list-style-type: none"> <li>It aims to identify and mainstream a basket of innovative construction technologies from across the globe for the housing construction sector that are sustainable, eco-friendly and disaster-resilient.</li> </ul>
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**Context - Cabinet approves continuation of Pradhan Mantri Awas Yojana-Urban (PMAY-U) - “Housing for All” Mission up to 31st December 2024.**

**Q.52) Consider the following statements about Vice-President (VP) of India**

- The electoral college of VP does not include the members of the state legislative assemblies.

2. The oath of office to the Vice-President is administered by the President.
3. Like any other member of Rajya Sabha, VP holds office for a term of six years.

Choose the **incorrect** statements:

- a) 1 only
- b) 1 and 3
- c) 3 only
- d) None

**Q.52) Solution (c)**

**Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• Electoral college of VP is different from the electoral college for the election of the President in the following two respects:</li> <li>• It consists of both elected and nominated members of the Parliament (in the case of president, only elected members).</li> <li>• It does not include the members of the state legislative assemblies (in the case of President, the elected members of the state legislative assemblies are included).</li> </ul>	<ul style="list-style-type: none"> <li>• Before entering upon his office, the Vice President has to make and subscribe to an oath or affirmation. In his oath, the Vice President swears:</li> <li>• to bear true faith and allegiance to the Constitution of India; and</li> <li>• to faithfully discharge the duties of his office.</li> <li>• The oath of office to the Vice-President is administered by the President or some person appointed in that behalf by him.</li> </ul>	<ul style="list-style-type: none"> <li>• The Vice-President holds office for a term of five years from the date on which he enters upon his office.</li> </ul>

**Context - President of India administers the oath of office of Vice President of India to Shri Jagdeep Dhankhar.**

**Q.53) 'NIPAM', an initiative of the Government of India, aims at?**

- a) Providing financial and technical assistance to start-up entrepreneurs to find innovative solutions to plastic pollution problem
- b) Providing affordable and quality education to the citizens for free
- c) Imparting Intellectual Property (IP) awareness and basic training to 1 million students
- d) To conduct Biogeochemical and climate change research in polar and cryosphere regions.

**Q.53) Solution (c)****Option c****Correct**

- National Intellectual Property Awareness Mission (NIPAM) has achieved target of imparting Intellectual Property (IP) awareness and basic training to 1 million students on 31st July 2022, ahead of the deadline which was 15 August 2022.
- NIPAM, a flagship program to impart IP awareness and basic training, was launched on 8 Dec 2021 as a part of "Azadi Ka Amrit Mahotsav" celebrations.
- The program is being implemented by Intellectual Property Office, the Office of Controller General of Patents, Designs and Trade Marks (CGPDTM), Ministry of Commerce and Industry.

**Context - National Intellectual Property Awareness Mission (NIPAM) achieved target of training 1 million students on Intellectual Property (IP) awareness**

**Q.54) Consider the following statements related to National Curriculum Framework (NCF)**

1. The National Curriculum Framework is published by the University Grants Commission.
2. One of the components of NCF is three language formula system to be followed across India

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.54) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
The National Curriculum Framework 2005 (NCF 2005) is the fourth National Curriculum Framework published in 2005 by the National Council of Educational Research and Training (NCERT) in India. Its predecessors were published in 1975, 1988, 2000.	Three language formula system to be followed. medium of communication should be the home language. The First language to be studied must be the mother tongue or the regional language. The Second language – In Hindi speaking States, the second language will be some other modern Indian language or English, and – In non-Hindi speaking States, the second language will be Hindi or English. The Third language – In Hindi speaking States, the third language will be English or a modern Indian language not studied as the second language, and – In non-Hindi speaking States, the third language will be English or a modern Indian language not studied as the second language.

**Context: Ministry of Education held inter-ministerial Meeting for seeking inputs configuration for reconfiguring curricular and pedagogical structure under NCF**

**Q.55) Consider the following statements with respect to 'Lumpy Skin Disease'**

1. It is an infectious disease in cattle caused by a virus of the family Poxviridae
2. The disease is known to affect humans coming into contact with infected animals

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.55) Solution(a)**

**Statement Analysis:**



Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
It is an infectious disease in cattle caused by a virus of the family Poxviridae, also known as the Neethling virus.	The disease is spread primarily by biting insects such as certain species of flies, mosquitoes and possibly ticks. The disease can also be spread by fomites through such things as contaminated equipment and in some cases directly from animal to animal. It does not pose a risk to human health

**Context - Union Minister for Agriculture and Farmers Welfare, Shri Narendra Singh Tomar, today launched the indigenous vaccine Lumpi-ProVacInd to protect livestock from Lumpy Skin disease**

**Q.56) Consider the following statements about Indian Ocean Dipole (IOD)**

1. IOD phenomenon is characterized by a difference in sea surface temperature between the western pole of the Arabian Sea and an eastern pole in the eastern Indian Ocean south of Indonesia.
2. With a negative IOD winds over the Indian Ocean blow from east to west making Arabian Sea much warmer than eastern Indian Ocean around Indonesia.
3. An IOD phenomenon can influence an El Nino's impact on the monsoon.

**Choose the correct statements:**

- a) 1 and 2
- b) 2 and 3
- c) 1, 2 and 3
- d) 1 and 3

**Q.56) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>The Indian Ocean Dipole (IOD) (or Indian Nino) is defined as the difference in sea surface</li> </ul>	<ul style="list-style-type: none"> <li>With a positive IOD winds over the Indian Ocean blow from east to west (from Bay of Bengal</li> </ul>	<ul style="list-style-type: none"> <li>It was demonstrated that a positive IOD index often negated the effect of ENSO, resulting in</li> </ul>

temperature between the western pole of the Arabian Sea (western Indian Ocean) and an eastern pole south of Indonesia which has an impact on the climate of Australia and other nations in the Indian Ocean Basin.	<p>towards Arabian Sea).</p> <ul style="list-style-type: none"> <li>• This result in the Arabian Sea (western Indian Ocean near African Coast) being much warmer and eastern Indian Ocean around Indonesia becoming colder and dry.</li> <li>• In the negative dipole year (negative IOD), reverse happens making Indonesia much warmer and rainier.</li> </ul>	increased Monsoon rains in several ENSO years like the 1983, 1994 and 1997.
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### Context – Australia experienced cold winters due to negative Indian Ocean Dipole

#### Q.57) Consider the following statements

1. The perceived harm to religious practices was the trigger for the 1806 Vellore Revolt.
2. Richard Wellesley was the Governor of Madras at the time of the Vellore Revolt.
3. During the Vellore Revolt, Tipu Sultan's second son Fateh Hyder was declared king.

#### Choose the correct statements:

- a) 1, 2 and 3
- b) 1 and 3
- c) 1 only
- d) 1 and 2

#### Q.57) Solution (b)

#### Statement Analysis:

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• As in the case of the 1857 uprising, the perceived harm to religious practices was the trigger for the Vellore Revolt, which broke out in the early hours of July 10, 1806.</li> </ul>	<ul style="list-style-type: none"> <li>• As in the case of 1857, wherein a Muslim — the titular Mughal emperor Bahadur Shah Zafar — was proclaimed as the leader, the Vellore Revolt saw its participants declaring Tipu</li> </ul>	<ul style="list-style-type: none"> <li>• William Bentinck, Governor of Madras, was recalled owing to the consequences of the revolt.</li> </ul>

<ul style="list-style-type: none"> <li>Another similarity between the events of 1806 and 1857 was that Hindus and Muslims were on the same page while fighting the British.</li> </ul>	<p>Sultan's second son Fateh Hyder as their king.</p>	
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**Context – It was in news**

**Q.58) Consider the following statements**

1. Asiatic lion is naturally found in India only.
2. The status of Asiatic lion in IUCN Red list is critically endangered.

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.58) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>At present Asiatic lion is naturally found in India only.</li> <li>Asiatic lions were once distributed upto the state of West Bengal in east and Rewa in Madhya Pradesh, in central India.</li> <li>At present Gir National Park and Wildlife Sanctuary is the only abode of the Asiatic lion.</li> <li>The last surviving population of the Asiatic lions is a compact tract of dry deciduous forest and open grassy scrublands in southwestern part of Saurashtra region of Gujarat</li> </ul>	<p>Status</p> <ul style="list-style-type: none"> <li>Listed in Schedule I of Wildlife (Protection) Act 1972, in Appendix I of CITES and as Endangered on IUCN Red List</li> </ul>

**Context – World Lion day was celebrated recently**

**Q.59) Consider the following statements regarding the provisions of the 'Panchayats (Extension to Scheduled Areas) Act, 1996 (PESA Act- 1996)'**

1. PESA is an Act to provide for the extension of the provisions of Part IX-A of the Constitution.
2. All 10 states which are a part of 5<sup>th</sup> Schedule have notified the PESA rules.

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.59) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
<p>The Provisions of the Panchayats (Extension to Scheduled Areas) Act, 1996 or PESA is a law enacted by the Government of India for ensuring self-governance through traditional Gram Sabhas for people living in the Scheduled Areas of India.</p> <p>It provides for the extension of the provisions of "part ix" of the constitution relating to the "panchayats and the scheduled areas". PESA was viewed as a positive development for tribal communities in scheduled areas that had earlier suffered tremendously from engagement with modern development processes and the operation of both colonial laws and statutes made in independent India.</p>	<p>Implementation of PESA Act depends on the State-specific rules and so far, only 7 states have notified these Rules. The recent most state is Chhattisgarh.</p>

**Context: Chhattisgarh implements PESA Rules 2022**

**Q.60) 'Nablus' a place recently seen in news is located in**

- a) Palestine
- b) Ukraine
- c) Oman
- d) Taiwan

**Q.60) Solution(a)**

Nablus is a Palestinian city in the West Bank, located approximately 49 kilometres (30 mi) north of Jerusalem. It is located between Mount Ebal and Mount Gerizim, it is the capital of the Nablus Governorate

**Context - The past week has witnessed a fresh round of violence between Israel and Gaza, and the most serious intensification of conflict since the 11-day crisis in May 2021.**

**Q.61) Consider the following statements regarding Coastal Regulation Zone(CRZ)**

1. Coastal land up to 50m from the High Tide Line(HTL) falls under the Coastal Regulation Zone (CRZ)
2. CRZ is notified under section 3 of the Biological Diversity Act, 2002 by the Union Government

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.61) Solution (d)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
As per the notification, the coastal land up to 500m from the High Tide Line (HTL) and a stage of 100m along banks of creeks, lagoons, estuaries, backwater and rivers subject to tidal fluctuations, is called the Coastal Regulation Zone (CRZ).	Under section 3 of the “Environment Protection Act, 1986” of India, the Coastal Regulation Zone notification was issued in February 1991 for the first time, for the regulation of activities in the coastal area by the Ministry of Environment and Forests

(MoEF).

**Context: Comptroller and Auditor General of India flagged violation of CRZ norms in Kerala.**

**Q.62) 'Buprofezin, Thiamethoxam, Profenofos' seen in news recently are**

- a) Drugs to treat MDR-Tuberculosis
- b) Fruit ripening agents
- c) Pesticides
- d) Food preservatives

**Q.62) Solution(c)**

10 insecticides which include — Acephate, Buprofezin, Chloropyriphos, Methamidophos, Propiconazole, Thiamethoxam, Profenofos, Isoprothiolane, Carbendazim, and Tricyclazol were banned in Punjab. It is said that there is a risk of higher pesticide residues than the Maximum Residual Level (MRL) fixed by the competent authority in the basmati rice grains, on account of the use of these agrochemicals.

**Context - Punjab banned use of 10 insecticides**

**Q.63) Consider the following statements about PeVatrons**

1. They are the source of the highest energy particles that flow across the Milky Way galaxy.
2. They consist of protons and also include atomic nuclei.
3. Because of the electric charge they carry, their path deviate and scramble as they go through galaxy's magnetic field.

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only
- c) 1 and 3
- d) None

**Q.63) Solution (d)**

**Statement Analysis**

Statement 1	Statement 2	Statement 3
Correct	Correct	Correct

<p>PeVatrons</p> <ul style="list-style-type: none"> <li>• They are the source of some of the highest energy particles that whip across our galaxy.</li> <li>• Streams of particles called cosmic rays travel at breakneck speeds around our galaxy and strike our planet's atmosphere.</li> </ul>	<ul style="list-style-type: none"> <li>• They typically consist of protons but sometimes also include atomic nuclei and electrons.</li> </ul>	<ul style="list-style-type: none"> <li>• They all carry an electric charge, meaning their paths deviate and scramble as they go through our galaxy's magnetic field.</li> <li>• This means that we cannot track the direction they originally came from, which effectively masks their birthplace.</li> <li>• However, when the particles that are part of the cosmic rays collide with the gas near supernova remnants, they produce gamma rays.</li> <li>• These are some of the highest-energy forms of radiation that exist.</li> <li>• These particles get trapped by the chaotic magnetic fields near supernova remnants.</li> <li>• They pass through the supernova's shock wave multiple times and each time they do, they gain speed and energy.</li> <li>• Eventually, they can no longer be held by the supernova remnant and will caree off into deep space.</li> </ul>
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**Context – Scientists use NASA's Fermi data to find source of extreme high energy cosmic particles**

**Q.64) Which of the below given pairs is/are correctly matched?**

Wetland	State
Ansupa Lake	Madhya Pradesh
Chitrangudi Bird Sanctuary	Karnataka
Shallbugh Wetland Conservation Reserve	Jammu and Kashmir
Tampara Lake	Odisha

**Choose the correct code:**

- a) 2 and 3
- b) 1 and 4
- c) 3 and 4
- d) 1 and 2

**Q.64) Solution (c)**

**Option c**

**Correct**

- India adds 11 more wetlands to the list of Ramsar sites to make total 75 Ramsar sites covering an area of 13,26,677 ha in the country in the 75th year of Independence.
- The 11 new sites include: Four (4) sites in Tamil Nadu, Three (3) in Odisha, Two (2) in Jammu & Kashmir and One (1) each in Madhya Pradesh and Maharashtra
- Odisha - Tampara Lake, Ansupa Lake and Hirakud Reservoir
- Tamil Nadu - Chitrangudi Bird Sanctuary, Suchindram Theroor Wetland Complex, Vaduvur Bird Sanctuary and Kanjirankulam Bird Sanctuary.
- Madhya Pradesh - Yashwant Sagar
- Maharashtra - Thane Creek
- Jammu and Kashmir - Hygam Wetland Conservation Reserve and Shallbugh Wetland Conservation Reserve

**Context – These places were added to the Ramsar list**

**Q.65) Consider the following statements**

1. Lok Adalat has been given statutory status under the Gram Nyayalayas Act, 2008
2. Lok Adalat have the requisite powers to specify its own procedure for the determination of any dispute coming before it
3. No appeal shall lie to any court against the award of the Lok Adalat

**Choose the correct statements:**

- a) 1 and 3
- b) 2 and 3
- c) 1, 2 and 3
- d) 1 and 2



**Q.65) Solution (b)****Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>The institution of Lok Adalat has been given statutory status under the Legal Services Authorities Act, 1987.</li> </ul>	<ul style="list-style-type: none"> <li>A Lok Adalat shall have the requisite powers to specify its own procedure for the determination of any dispute coming before it. Also, all proceedings before a Lok Adalat shall be deemed to be judicial proceedings within the meaning of the Indian Penal Code (1860) and every Lok Adalat shall be deemed to be a Civil Court for the purpose of the Code of Criminal Procedure (1973)..</li> </ul>	<ul style="list-style-type: none"> <li>An award of a Lok Adalat shall be deemed to be a decree of a Civil Court or an order of any other court. Every award made by a Lok Adalat shall be final and binding on all the parties to the dispute. No appeal shall lie to any court against the award of the Lok Adalat.</li> </ul>

**Context – It was in news as over 1 crore cases were settled in a day**

**Q.66) Consider the following statements**

1. He was much influenced by the American Revolution, revolts in Italy and the medieval French revolts against England.
2. He attended Congress sessions and at the same time, helped establish the Anushilan Samiti of Calcutta in 1902.
3. He was a journalist, editing newspapers such as Bande Mataram.
4. In May 1908, he was arrested in connection with the Alipore Conspiracy Case.
5. He developed a kind of Yoga called Integral Yoga

**The above points refer to which of the following freedom fighter?**

- a) Aurobindo Ghosh
- b) Ram Prasad Bismil
- c) Sachindra Nath Sanyal
- d) Khudiram Bose

**Q.66) Solution (a)****Option a****Correct**

- He was a yogi, seer, philosopher, poet, and Indian nationalist who propounded a philosophy of divine life on earth through spiritual evolution.
- From 1902 to 1910 he part in the struggle to free India from the British.
- In Pondichery he founded a community of spiritual seekers, which took shape as the Sri Aurobindo Ashram in 1926.
- He was much influenced by the American Revolution, revolts in Italy and the medieval French revolts against England.
- He attended Congress sessions and at the same time, helped establish the Anushilan Samiti of Calcutta in 1902.
- He and his brother revolutionary Barin Ghose contributed articles to the magazine Jugantar which inspired many young people to take up revolutionary work.
- He was also a journalist, editing newspapers such as Bande Mataram.
- In May 1908, Aurobindo was arrested in connection with the Alipore Conspiracy Case.
- He wrote copiously and his greatest literary achievement was 'Savitri', an epic poem with about 24000 lines.
- He developed a kind of Yoga called Integral Yoga.

His theory of Nationalism:

- Sri Aurobindo Ghosh was considered as a prophet of Indian nationalism. Along with Bankimchandra, Tilak and Dayanand, he developed the theory of nationalism in India.
- Sri Aurobindo's theory of nationalism was based on Vedanta philosophy which saw unity and oneness in man and God.

**Context – Aurobindo Jayanti was celebrated recently****Q.67) Consider the following statements**

1. Asia's first Export Processing Zones was established in 1965 at Kandla, Gujarat.
2. Special Economic Zones (SEZ) is a territory within a country that different business and commercial laws chiefly to encourage investment.
3. Approval to proposal for establishment of SEZ is given by the Board of Approval which is chaired by Union Minister of Commerce and Industry.

**Choose the correct statements:**

- a) 1, 2 and 3

- b) 1 and 3
- c) 1 and 2
- d) 2 and 3

**Q.67) Solution (c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• India was one of the first in Asia to recognize the effectiveness of the Export Processing Zone (EPZ) model in promoting exports, with Asia's first EPZ set up in Kandla in 1965.</li> <li>• With a view to overcome the shortcomings experienced on account of the multiplicity of controls and clearances; absence of world-class infrastructure, and an unstable fiscal regime and with a view to attract larger foreign investments in India, the Special Economic Zones (SEZs) Policy was announced in April 2000</li> </ul>	<ul style="list-style-type: none"> <li>• An SEZ is a territory within a country that is typically duty-free and has different business and commercial laws chiefly to encourage investment and create employment.</li> <li>• SEZs are created also to better administer these areas, thereby increasing the ease of doing business.</li> </ul>	<p>Approval mechanism</p> <ul style="list-style-type: none"> <li>• The developer submits the proposal for establishment of SEZ to the concerned State Government. The State Government has to forward the proposal with its recommendation within 45 days from the date of receipt of such proposal to the Board of Approval.</li> <li>• The applicant also has the option to submit the proposal directly to the Board of Approval.</li> <li>• The Board of Approval has been constituted by the Central Government in exercise of the powers conferred under the SEZ Act. All the decisions are taken in the Board of Approval by consensus.</li> </ul>

**Context – New law for SEZs have been proposed.**

**Q.68) Arrange the following Elephant Reserves from South to North**

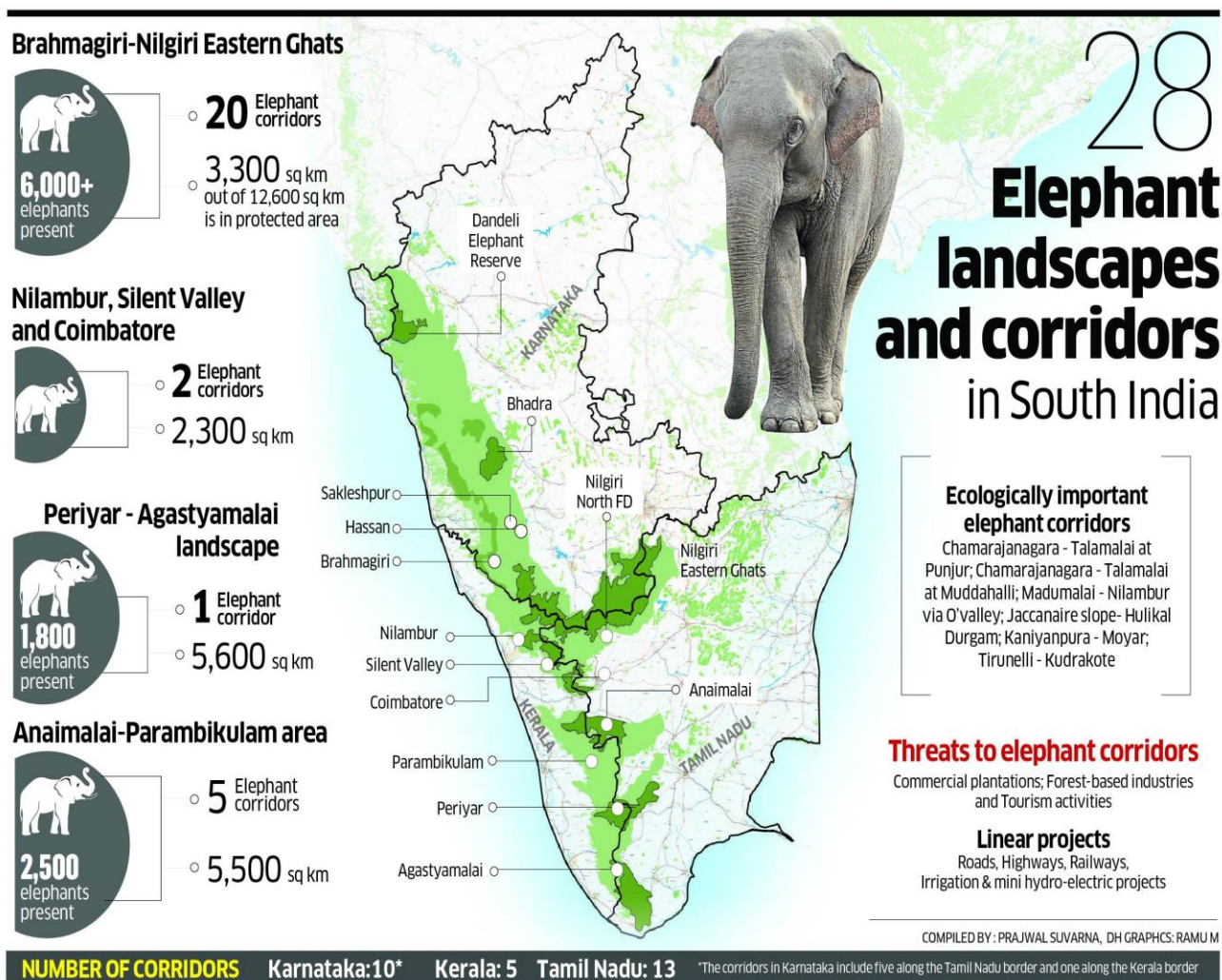
1. Periyar Elephant Reserve
2. Anamalai Elephant Reserve
3. Nilambur Elephant Reserve
4. Rayala Elephant Reserve

**Choose the correct code:**

- a) 2-1-3-4
- b) 1-3-4-2
- c) 3-4-1-2
- d) 1-2-3-4

**Q.68) Solution (d)**

- Rayala Elephant Reserve is in Andhra Pradesh.



**Context – World Elephant day was celebrated recently.**

**Q.69) Consider the following statements regarding Antiretroviral Therapy (ART)**

1. It is a combination of daily medications that stop the HIV(Human immunodeficiency virus) from reproducing.
2. Antiretroviral therapies cannot prevent mother-to-child transmission of HIV

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.69) Solution (a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
The treatment for HIV is called antiretroviral therapy (ART). ART involves taking a combination of HIV medicines (called an HIV treatment regimen) every day. ART is recommended for everyone who has HIV. ART cannot cure HIV, but HIV medicines help people with HIV live longer, healthier lives. ART also reduces the risk of HIV transmission.	An HIV-positive person can transmit HIV to their baby any time during pregnancy, childbirth, or breastfeeding. Treatment with a combination of HIV medicines (called antiretroviral therapy or ART) can prevent transmission of HIV to your baby and protect your health.

**Context: Several reports claim that there is an acute shortage of ART medicines**

**Q.70) 'Udarashakti' is a bilateral military exercise conducted between India and**

- a) Nepal
- b) Thailand
- c) Oman
- d) Malaysia

**Q.70) Solution(d)**

It is a bilateral air exercise between India and Malaysia

**Context - Indian Air Force and Royal Malaysian Air Force (RMAF) are set to participate in a bilateral exercise named 'Udarashakti.**

**Q.71) Consider the following statements about Indian Bureau of Mines (IBM)**

1. Indian Bureau of Mines (IBM) is a statutory body established under Mines & Minerals (Regulation & Development) Act, 1948.
2. IBM is headed by Secretary of Ministry of Mines.
3. It aims to promote systematic and scientific development and optimum utilization of mineral resources of the country.

**Choose the correct statements:**

- a) 1, 2 and 3
- b) 3 only
- c) 1 and 3
- d) 2 and 3

**Q.71) Solution (b)**

**Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• The Indian Bureau of Mines (IBM) established in 1948, is a multi-disciplinary government organisation under the Department of Mines, Ministry of Mines, engaged in promotion of conservation, scientific development of mineral resources and protection of environment in mines other than coal, petroleum &amp; natural gas,</li> </ul>	<ul style="list-style-type: none"> <li>• Headed by the Controller General, IBM has six technical divisions with its head quarters at Nagpur.</li> </ul>	<ul style="list-style-type: none"> <li>• The objective of the IBM is to promote systematic and scientific development and optimum utilisation of mineral resources of the country (both on-shore and off-shore).</li> </ul>

atomic minerals and minor minerals.		
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**Context - Indian Bureau of Mines to Create Individual Portal for Mines Ministry Under PM Gati Shakti National Master Plan**

**Q.72) Consider the following statements about Manthan platform recently seen in news**

1. It is a joint initiative of NITI Aayog and Ministry of Science and Technology.
2. It is an India's exclusive platform for driving R&D collaboration at scale and achieving India's scientific missions and UN SDGs.

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.72) Solution (a)**

**Statement Analysis**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• The Office of the Principal Scientific Adviser (PSA) to the Government of India (GoI); entrusted with the vision to enable and empower all spheres of science and technology within the country, announced the launch of the Manthan platform.</li> <li>• Led by the Office of PSA, Manthan can potentially change the landscape of science and technology-based social impact innovation and solutions in India.</li> </ul>	<ul style="list-style-type: none"> <li>• Manthan is India's exclusive platform for driving R&amp;D collaboration at scale and achieving India's scientific missions and UN SDGs.</li> <li>• Manthan platform, aims to promote collaboration at scale between industry and the scientific research and development ecosystem to help meet India's sustainability goals in alignment with the UN defined Sustainable Development Goals (SDG) charter.</li> </ul>

**Context – Manthan platform was launched**

**Q.73) Consider the following statements about Mutual Legal Assistance Treaty (MLAT)**

1. MLAT is a mechanism whereby countries cooperate with one another in order to provide and obtain formal assistance in criminal matters.
2. Recently India signed Mutual Legal Assistance Treaty (MLAT) with Italy.

**Choose the correct statements:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.73) Solution (a)**

**Statement Analysis**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• Mutual Legal Assistance is a mechanism whereby countries cooperate with one another in order to provide and obtain formal assistance in prevention, suppression, investigation and prosecution of crime to ensure that the criminals do not escape or sabotage the due process of law for want of evidence available in different countries</li> </ul>	<ul style="list-style-type: none"> <li>• While India has so far signed MLAT with 45 countries, India and Italy do not have a bilateral agreement on criminal matters so far.</li> <li>• India and Italy are finetuning a Mutual Legal Assistance Treaty (MLAT) that would help the two countries obtain formal assistance in investigation related to criminal cases.</li> <li>• Though the two countries have held two rounds of negotiation, the final agreement is said to be stuck amid concerns that maximum punishment for heinous crimes in India is “death penalty,” while capital punishment has been abolished in Italy.</li> <li>• Earlier, Germany had also refused to sign MLAT with India on death penalty grounds.</li> </ul>

**Context – India and Italy are negotiating mutual legal assistance treaty**

**Q.74) ‘Nagorno-Karabakh’, a region often seen in news is located in**

- a) Horn of Africa
- b) South Caucasus



- c) Eastern Mediterranean shores
- d) Western shores of Caspian Sea

**Q.74) Solution(b)**

Nagorno-Karabakh is a landlocked region in the South Caucasus, within the mountainous range of Karabakh, lying between Lower Karabakh and Syunik, and covering the southeastern range of the Lesser Caucasus mountains. The region is mostly mountainous and forested.

**Context – It was seen in news recently**

**Q.75) Consider the following statements with respect to 'Fundamental Duties'**

1. It was added to the Constitution through the 42<sup>nd</sup> amendment in 1976 based on Swaran Singh Committee
2. Fundamental Duties can also help the court to decide the constitutionality of a law passed by the legislature
3. The Fundamental duties have not been amended since inception

**Choose the correct answer using the code given below**

- a) 1 and 2 only
- b) 1 only
- c) 2 and 3 only
- d) 3 only

**Q.75) Solution(c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
The fundamental duties of citizens were added to the constitution by the 42 <sup>nd</sup> Amendment in 1976, upon the recommendations of the Swaran Singh Committee that was constituted by the	Originally ten in number, the fundamental duties were increased to eleven by the 86 <sup>th</sup> Amendment in 2002, which added a duty on every parent or guardian to ensure that their child or ward was	Supreme court has ruled that these fundamental duties can also help the court to decide the constitutionality of a law passed by the legislature.

government earlier that year	provided opportunities for education between the ages of six and fourteen years	
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**Context – Chief Justice of India spoke about the role of Fundamental duties in bringing a social transformation.**

**Q.76) Consider the following statements about Central Consumer Protection Authority**

1. CCPA is a regulatory body established in 2020 based on the provisions of the Consumer Protection Act, 2019.
2. CCPA lacks suo motu powers to inquire or investigate into matters relating to violations of consumer rights or unfair trade practices.
3. The composition of CCPA includes a Chief Commissioner as head, and only two other commissioners as members.

Choose the **incorrect** statements:

- a) 2 and 3
- b) 1 and 3
- c) 2 only
- d) 3 only

**Q.76) Solution (c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• CCPA is a regulatory body established in 2020 based on the provisions of the Consumer Protection Act, 2019.</li> <li>• CCPA works under the administrative control of the Ministry of Consumer Affairs.</li> </ul>	<ul style="list-style-type: none"> <li>• The objective of the Central Consumer Protection Authority (CCPA) is to promote, protect and enforce the rights of consumers as a class.</li> <li>• Powers: The CCPA will have the powers to inquire or investigate into matters relating to</li> </ul>	<ul style="list-style-type: none"> <li>• Central Consumer Protection Authority shall consist of following members appointed by Central Government.</li> <li>• Chief Commissioner</li> <li>• Two Commissioners. One commissioner each will represent for goods and services.</li> </ul>

	violations of consumer rights or unfair trade practices suo motu, or on a complaint received, or on a direction from the central government.	
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**Context - CCPA penalised Flipkart for selling sub-standard Pressure Cookers to consumers**

**Q.77) Consider the following statements**

1. Jhalkari Bai as a member of the Naujawan Bharat Sabha, helped Bhagat Singh escape in disguise from Lahore after the killing of British police officer John P Saunders.
2. Durgawati Devi was a soldier in Rani Laxmibai's women's army, Durga Dal, she rose to become one of the queen's most trusted advisers.
3. Velu Nachiyar produced the first human bomb and established the first army of trained women soldiers in the late 1700s.

**Choose the correct statements:**

- a) 1, 2 and 3
- b) 2 and 3
- c) 2 only
- d) 3 only

**Q.77) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Incorrect</b>	<b>Correct</b>
<p><b>Jhalkari Bai</b></p> <ul style="list-style-type: none"> <li>• A soldier in Rani Laxmibai's women's army, Durga Dal, she rose to become one of the queen's most trusted advisers.</li> <li>• She is known for putting her own life at risk to keep the queen out of harm's</li> </ul>	<p><b>Durga Bhabhi</b></p> <ul style="list-style-type: none"> <li>• Durgawati Devi, who was popularly known as Durga Bhabhi, was a revolutionary who joined the armed struggle against colonial rule.</li> <li>• She was married to Hindustan Socialist Republican Association</li> </ul>	<p><b>Velu Nachiyar</b></p> <ul style="list-style-type: none"> <li>• Many years before the revolt of 1857, Velu Nachiyar waged a war against the British and emerged victorious.</li> <li>• Born in Ramanathapuram in 1780, she was married to the king of Sivagangai.</li> <li>• After her husband was</li> </ul>

<p>way. She is often presented as a representative of Bundeli identity.</p> <ul style="list-style-type: none"> <li>• According to Ministry of Culture's Amrit Mahotsav website, many Dalit communities of the region look up to her as an incarnation of God.</li> <li>• They also celebrate Jhalkaribai Jayanti every year in her honour.</li> </ul>	<p>(HSRA) member Bhagwati Charan Vohra.</p> <ul style="list-style-type: none"> <li>• As a member of the Naujawan Bharat Sabha, she helped Bhagat Singh escape in disguise from Lahore after the 1928 killing of British police officer John P Saunders.</li> <li>• Naujawan Bharat Sabha was founded by Bhagat Singh in 1926 to foment revolution against the British Raj.</li> <li>• It was a left-wing Indian association formed to gather worker and peasant youths by disseminating Marxist idea.</li> <li>• Later, as revenge for the hanging of Bhagat Singh, Rajguru, and Sukhdev, she made an unsuccessful attempt to kill the former Punjab Governor, Lord Hailey.</li> <li>• Along with other revolutionaries, she also ran a bomb factory in Delhi.</li> </ul>	<p>killed in battle with the East India Company, she entered the conflict, and won with support of neighbouring kings.</p> <ul style="list-style-type: none"> <li>• She went on to produce the first human bomb as well as establish the first army of trained women soldiers in the late 1700s.</li> </ul>
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**Context – These freedom fighters were mentioned in Prime Minister's Independence day speech**

**Q.78) Consider the following statements about 'Paalan 1000'**

1. It is an app launched under Ayushman Bharat Digital Mission for parenting and early childhood development.

2. The programme is aligned with the mission of the Rashtriya Bal Swasthya Karyakram (RBSK).

**Choose the correct statements:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.78) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• Union Minister of State for Health launched 'Paalan 1000' National Campaign and Parenting App.</li> <li>• 'Paalan 1000' focuses on the cognitive development of children in the first two years of their life.</li> <li>• The app will provide practical advice to caregivers on what they can do in their everyday routine and will help clear doubts.</li> </ul>	<ul style="list-style-type: none"> <li>• The app combines coaching for parents, families and other caregivers with services designed to meet the families' basic needs. The programme is aligned with the mission of the Rashtriya Bal Swasthya Karyakram (RBSK), emphasising responsive care and focused interventions during the first 1,000 days.</li> </ul>

**Context – The scheme was in news.**

**Q.79) Consider the following statements**

1. Jalaj is a tourism related portal to promote livelihood opportunities along the Ganga basin by promoting Arth Ganga initiative was launched recently
2. ImAvatar – a portal is visualized as a model for livelihood diversification, through promotion of local produce and facilitates stakeholder participation

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.79) Solution (d)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
Jalaj, innovative mobile livelihood centre, are aimed at aligning the skill enhancement activities with Ganga conservation. Jalaj is visualized as a model for livelihood diversification, through promotion of local produce and facilitates stakeholder participation in ecological and economic spheres for river conservation in line with “Arth Ganga” objectives.	A tourism related portal ImAvatar to promote livelihood opportunities along the Ganga basin by promoting Arth Ganga initiative through tourism, marketing of local products, both agriculture and handicrafts, sustainability of ghats and other assets created by NMCG was also launched on the occasion.

**Context: NMCG hosted ‘Yamuna Par Azadi Ka Amrit Mahotsav’ in New Delhi**

**Q.80) ‘Roshni’ seen in news is related to**

- Saline water LED lantern
- Leadership development for minority women
- Renewable energy promotion
- Research and development in space sector

**Q.80) Solution(a)**

It is India's first saline water lantern, which uses seawater to power LED lamps. According to the Ministry of Earth Science, the first-of-its-kind lantern named "Roshni" was unveiled by The Minister during a visit to SAGAR ANVESHKA, a Coastal Research Vessel, operated and used by the National Institute of Ocean Technology (NIOT), Chennai for coastal research.

**Context – India’s first saline water pump was unveiled recently**

**Q.81) Consider the following statements about NIDAAN portal**

- It is a database of arrested narcotics offenders, developed by the Narcotics Control Bureau, under the aegis of the Ministry of Home Affairs.
- The NIDAAN platform sources its data from the crime and criminal tracking network system (CCTNS) and the e-Prisons repository.

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.81) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• A first-of-its kind database of arrested narcotics offenders has been made operational for use by various central and State prosecution agencies tasked to enforce anti-drugs laws in the country, officials said.</li> <li>• The portal — NIDAAN or the National Integrated Database on Arrested Narco-offenders — has been developed by the Narcotics Control Bureau (NCB).</li> <li>• It is part of the narcotics coordination mechanism (NCORD) portal that was launched by Union Home Minister during the national conference on 'Drug trafficking and national security'.</li> </ul>	<ul style="list-style-type: none"> <li>• The NIDAAN platform sources its data from the ICJS (inter-operable criminal justice system) and the e-Prisons (a cloud-based application) repository and it is planned to integrate it in the future with the crime and criminal tracking network system or CCTNS.</li> <li>• The ICJS, an initiative of the Supreme Court e-committee, was created to enable seamless transfer of data and information among different pillars of the criminal justice system, like courts, police, jails and forensic science laboratories, from one platform.</li> </ul>

**Context – The portal became operational recently**

**Q.82) Consider the following statements about Combined Maritime Forces (CMF)**

1. CMF is a multi-national naval partnership to promote security and stability in international waters.
2. The grouping is commanded by a U.S. Navy Vice Admiral.
3. Recently India joined the grouping as a Full time member.

Choose the **correct** statements:

- a) 1 and 2 only
- b) 2 and 3 only

- c) 1, 2 and 3  
d) 1 and 3 only

**Q.82) Solution (a)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>The Combined Maritime Forces (CMF) is a multinational maritime partnership, which exists to uphold the Rules-Based International Order (R BIO) by countering illicit non-state actors on the high seas and promoting security, stability, and prosperity across approximately 3.2 million square miles of international waters, which encompass some of the world's most important shipping lanes.</li> </ul>	<ul style="list-style-type: none"> <li>CMF is commanded by a U.S. Navy Vice Admiral, who also serves as Commander US Naval Forces Central Command (NAVCENT) and US Navy Fifth Fleet.</li> <li>All four commands are co-located at US Naval Support Activity Bahrain.</li> </ul>	<ul style="list-style-type: none"> <li>CMF has 34 member nations: Australia, Bahrain, Belgium, Brazil, Canada, Denmark, Egypt, France, Germany, Greece, Iraq, Italy, Japan, Jordan, Republic of Korea, Kuwait, Malaysia, the Netherlands, New Zealand, Norway, Pakistan, the Philippines, Portugal, Qatar, Saudi Arabia, Seychelles, Singapore, Spain, Thailand, Turkey, UAE, United Kingdom, United States, and Yemen.</li> <li>Indian Navy has formally commenced its cooperation with the Bahrain-based multilateral partnership, Combined Maritime Forces (CMF), as an 'associate member'.</li> <li>This comes months after India had announced its intention to join the grouping in furtherance of its regional security goals.</li> <li>India's political and military leadership is seeing this as a demonstration of Indian commitment towards the collective responsibility of ensuring security in the shared commons.</li> </ul>



**Context – The grouping was in news**

**Q.83) Consider the following statements about BioSentinel spacecraft**

1. It is the sole biological experiment, to fly on the Space Launch System rocket for the Artemis I mission.
2. The primary objective of BioSentinel is to develop a biosensor instrument to detect and measure the impact of space radiation.
3. It measures the space radiation on all living organisms over long durations beyond the low-Earth Orbit (LEO).

Choose the **incorrect** statements:

- a) 1 only
- b) 3 only
- c) None
- d) 1 and 3

**Q.83) Solution (c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• The BioSentinel mission was selected as one of the secondary payloads, and the sole biological experiment, to fly on the first launch of the Space Launch System rocket for the Artemis I mission.</li> </ul>	<ul style="list-style-type: none"> <li>• The primary objective of BioSentinel is to develop a biosensor instrument to detect and measure the impact of space radiation.</li> <li>• The BioSentinel biosensor utilizes the budding yeast <i>Saccharomyces cerevisiae</i> to query the biological response to ambient deep space radiation, including DNA damage like the formation of double strand breaks (DSBs).</li> <li>• DSBs are deleterious DNA lesions that are generated by exposure to highly energetic particles in the deep space radiation spectrum, and that are often repaired</li> </ul>	<ul style="list-style-type: none"> <li>• It measures the space radiation on all living organisms over long durations beyond the low-Earth Orbit (LEO).</li> </ul>

	<p>without errors by the cell.</p> <ul style="list-style-type: none"> <li>• The biosensor contains two genetically engineered yeast strains.</li> <li>• They are a wild type strain that serves as a control for yeast health and “normal” DNA damage repair, and a rad51 deletion strain, which is defective for DNA damage repair.</li> </ul>	
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**Context - NASA Artemis I to Launch BioSentinel, A First-Of-Its-Kind Deep Space Biology Mission. Know All About It NASA Artemis I to Launch BioSentinel, A First-Of-Its-Kind Deep Space Biology Mission**

**Q.84) Consider the following statements about Central Adoption Resource Authority (CARA)**

1. It is a statutory body and is mandated to monitor and regulate in-country as well as inter-country adoptions.
2. CARA does not allow individuals in a live-in relationship to adopt children from and within India

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.84) Solution (a)**

**Statement analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
CARA is an autonomous and statutory body of Ministry of Women and Child Development in the Government of India. It was set up in 1990. It is a statutory body under Juvenile Justice (Care and Protection of Children) Act, 2015. It functions as the nodal body for the	CARA primarily deals with the adoption of "orphaned, abandoned and surrendered" children through recognized adoption agencies. In 2018, CARA has “allowed” individuals in a live-in relationship to adopt children from and within India.

adoption of Indian children and is mandated to monitor and regulate in-country and inter-country adoptions. CARA is designated as the Central Authority to deal with inter-country adoptions in accordance with the provisions of the 1993 Hague Convention on Inter-country Adoption, ratified by Government of India in 2003.

**Context: Parliamentary panel moots district-level survey to bring more children into adoption**

**Q.85) 'Namaste' a scheme seen in news recently is related to**

- a) Student exchange programme
- b) Sanitation workers
- c) Tourism promotion
- d) Research collaboration

**Q.85) Solution(b)**

Namaste is a Central Sector Scheme of the Ministry of Social Justice and Empowerment (MoSJE) as a joint initiative of the MoSJE and the Ministry of Housing and Urban Affairs (MoHUA). NAMASTE envisages safety and dignity of sanitation workers in urban India by creating an enabling ecosystem that recognizes sanitation workers as one of the key contributors in operations and maintenance of sanitation infrastructure thereby providing sustainable livelihood and enhancing their occupational safety through capacity building and improved access to safety gear and machines.

**Context – The scheme was in news**

**Q.86) Consider the following statements about Great Indian Bustard**

1. It is classified as critically endangered by the IUCN.
2. It has been identified as one of the species for the recovery programme under the Integrated Development of Wildlife Habitats of the Ministry of Environment.
3. They are found only in the States of Gujarat and Rajasthan in India.

**Choose the correct statements:**

- a) 1 and 2
- b) 1 only
- c) 1 and 3
- d) 3 only

**Q.86) Solution (a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• Listed in Schedule I of the Indian Wildlife (Protection) Act, 1972, in the CMS Convention and in Appendix I of CITES, as Critically Endangered on the IUCN Red List and the National Wildlife Action Plan (2002-2016)</li> </ul>	<ul style="list-style-type: none"> <li>• It has also been identified as one of the species for the recovery programme under the Integrated Development of Wildlife Habitats of the Ministry of Environment and Forests, Government of India.</li> </ul>	<ul style="list-style-type: none"> <li>• Historically, the great Indian bustard was distributed throughout Western India, spanning 11 states, as well as parts of Pakistan.</li> <li>• Its stronghold was once the Thar desert in the north-west and the Deccan plateau of the peninsula.</li> <li>• Today, its population is confined mostly to Rajasthan and Gujarat.</li> <li>• Small population occur in Maharashtra, Karnataka and Andhra Pradesh.</li> <li>• Bustards generally favour flat open landscapes with minimal visual obstruction and disturbance, therefore adapt well in grasslands.</li> </ul>

**Context – The bird was in news**

**Q.87) The Global Strategy on Human Resources for Health: Workforce 2030 is based on which of the following declarations?**

- a) Astana Declaration
- b) Ouagadougou Declaration
- c) Recife Political Declaration
- d) Alma-Ata Declaration

**Q.87) Solution (c)**

**Option c****Correct**

The Global Strategy on Human Resources for Health: Workforce 2030

- In line with the World Health Organisation's (WHO's) global strategy on "Human Resources for Health: Workforce 2030", the Ministry of Health and Family Welfare issued draft guidelines to improve the working conditions of all categories of nurses in all healthcare institutions across India.
- In May 2014, the 67th World Health Assembly, adopted this resolution as a follow-up of the Recife Political Declaration on Human Resources for Health.
- Member States requested the Director-General of the World Health Organization (WHO) to develop and submit a new global strategy for human resources for health (HRH) for consideration by the 69th World Health Assembly.
- The Global Strategy on Human Resources for Health: Workforce 2030 is primarily aimed at planners and policy-makers of Member States.
- However, its contents are of value to all relevant stakeholders in the health workforce area.
- This includes public and private sector employers, professional associations, education and training institutions, labour unions, bilateral and multilateral development partners, international organizations, and civil society.

**Context – Government issued draft guidelines to improve working conditions of nurses.**

**Q.88) Consider the following statements about Sovereign Gold Bond Scheme**

1. These are issued by the Reserve Bank of India (RBI) on behalf of the Government of India.
2. Bonds are sold only through National Stock Exchange of India Limited and Bombay Stock Exchange.
3. Bonds can be used as collateral for loans.

Choose the **incorrect** statements:

- a) 3 only
- b) 2 and 3
- c) 2 only
- d) None

**Q.88) Solution (c)****Statement Analysis**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>The Government of India, in consultation with the Reserve Bank of India, has decided to issue Sovereign Gold Bonds in tranches for 2022-23.</li> <li>The Gold Bonds are issued as Government of India Stock under the Government Securities (GS) Act, 2006.</li> <li>These are issued by the Reserve Bank of India (RBI) on behalf of the Government of India.</li> </ul>	<ul style="list-style-type: none"> <li>Bonds are sold through Commercial banks, Stock Holding Corporation of India Limited (SHCIL), designated post offices and recognised stock exchanges viz., National Stock Exchange of India Limited and Bombay Stock Exchange, either directly or through agents.</li> </ul>	<ul style="list-style-type: none"> <li>Bonds can be used as collateral for loans.</li> <li>The capital gains tax arising on redemption of SGB to an individual has been exempted.</li> </ul>

**Context - Sovereign Gold Bond Scheme 2022-23 (Series II) was in news.**

**Q.89) Consider the following statements Alternate Investment Fund(AIF)**

- It is a fund of funds that invests in asset classes which includes bonds, stocks and cash.
- Alternative Investment funds are regulated together by Reserve Bank of India(RBI) and Securities and Exchange Board of India(SEBI)

**Select the correct statement/s:**

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

**Q.89) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
It is a fund of funds that invests in asset classes "other than" bonds, stocks and cash.	The Securities and Exchange Board of India (SEBI) regulates the alternative investment

AIF consists of investment funds that are privately pooled that invest in private equity, venture capital, hedge funds, managed funds, etc. AIF means an investment that differs from conventional investments such as debt securities, stocks, etc. It is an investment option for high rollers, including domestic and foreign investors in India.

funds in India. AIFs are defined in the Securities and Exchange Board of India (Alternative Investment Funds) Regulations, 2012.

RBI doesn't have any role in it

**Context: SEBI tightens overseas norms for alternative investment and VC funds**

**Q.90) Consider the following statements with respect to 'Har Ghar Jal Utsav'**

1. Goa and Chandigarh have become the first State and Union Territory to be Har Ghar Jal certified
2. Har Ghar Jal Utsav is being held under Jal Jeevan Mission

**Choose the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.90) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
Goa has become the first Har Ghar Jal certified State and Dadra and Nagar Haveli and Daman and Diu has become the first Union Territory in the country to be Har Ghar Jal certified. In this state and UT, people from all the villages have declared their village as Har Ghar Jal through a resolution passed by the Gram Sabha. All two lakh 63 thousand rural	Har Ghar Jal Utsav is being held under Jal Jeevan Mission. This flagship mission aims of providing potable tap water supply to every rural household by 2024.

households of Goa and over 85 thousand of Dadra and Nagar Haveli and Daman and Diu have access to safe drinking water through tap connection.

**Context – Prime Minister addressed Har Ghar Jal Utsav in Goa.**

**Q.91) Consider the following statements about Armed Forces Tribunal (AFT)**

1. The Tribunal is composed of Judicial Members and Administrative Members.
2. The Tribunal is empowered to adjudicate appeals against any sentence passed by a court-martial.
3. An appeal against the AFT orders lie only before the Supreme Court.

**Choose the correct statements:**

- a) 1 and 3
- b) 1, 2 and 3
- c) 3 only
- d) 1 and 2

**Q.91) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• Armed Forces Tribunal was established in August 2009 by the Armed Forces Tribunal Act 2007.</li> <li>• It is a military tribunal with the power of adjudication or trial of disputes and complaints related to commission, appointments, enrolments and conditions of service.</li> <li>• Besides the Principal</li> </ul>	<p>Power/Jurisdiction</p> <ul style="list-style-type: none"> <li>• The Tribunal is empowered to adjudicate appeals against any order, decision, finding or sentence passed by a court-martial or any related matter.</li> <li>• It is also empowered to grant bail to an accused who is in military custody.</li> </ul>	<p>Jurisdiction of other courts</p> <ul style="list-style-type: none"> <li>• In March 2022, Delhi High Court held that the Armed Forces Tribunal Act, 2007 excludes the administrative supervision of the High Court under Article 227(4) of the Constitution.</li> <li>• However, it does not exclude the judicial</li> </ul>



<p>Bench in New Delhi, AFT has 10 Regional Benches.</p> <p>Composition</p> <ul style="list-style-type: none"> <li>• The Tribunal is composed of Judicial Members as well as Administrative Members.</li> <li>• The Judicial Members are retired High Court Judges.</li> <li>• Administrative Members are retired Members of the Armed Forces who have held rank of Major General/ equivalent or above for a period of three years or more</li> </ul>	<ul style="list-style-type: none"> <li>• The Tribunal may have the powers to substitute for the findings of the court martial. It may: <ul style="list-style-type: none"> <li>• remit the whole or any part of the sentence, with or without conditions;</li> <li>• mitigate the punishment awarded</li> <li>• commute such punishment to any lesser punishment or enhance the sentence awarded by a court martial.</li> </ul> </li> </ul>	<p>superintendence and jurisdiction under Article 226.</p> <ul style="list-style-type: none"> <li>• In January 2020, the Supreme Court made it clear that the verdicts of the Armed Forces Tribunals (AFT) can be challenged before the high courts.</li> <li>• In 2015, a Supreme Court bench had held that AFT verdicts could not be challenged before the high courts.</li> <li>• It had also said that an appeal against the AFT orders would lie before the apex court but only if a point of law of general public importance is involved.</li> </ul>
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### Context – Government plans to empower Armed Forces Tribunal

**Q.92) Which of the following given pairs is/are correctly matched?**

GI Product	State
Aranmula mirror	Karnataka
Mithila Makhana	Bihar
Joha Rice	Assam
Bidriware	Andhra Pradesh

**Choose the correct code:**

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

## Q.92) Solution (a)

Match 1	Match 2	Match 3	Match 4
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• Aranmula kannadi, meaning the Aranmula mirror, is a handmade metal-alloy mirror, made in Aranmula.</li> <li>• These unique metal mirrors are the result of Kerala's rich cultural and metallurgical traditions.</li> <li>• They have great historical and cultural value and are thought to bring good luck.</li> <li>• The mirrors received a geographical indication (GI) tag in 2004-05.</li> </ul>	<ul style="list-style-type: none"> <li>• The government has awarded Geographical Indication (GI) tag to Mithila Makhana of Bihar a move which is expected to help growers get the maximum price for their premium produce.</li> <li>• "Mithila Makhana registered with GI Tag, farmers will get profit and it will be easier to earn.</li> </ul>	<ul style="list-style-type: none"> <li>• Joha is a variety of rice grown in India, notable for its aroma, delicate and excellent taste.</li> <li>• Assam is the largest cultivator of this rice, it is primarily grown through paddy field farming.</li> <li>• In Garo Hills it's widely cultivated and it is known as Jaha rice or locally known as mi Jaha.</li> <li>• Joha rice is grown in Sali/ Kharif season.</li> <li>• Major Joha varieties included in this are Kola Joha, Keteki Joha, Bokul Joha, Kunkuni Joha.</li> <li>• It received GI tag in 2017.</li> </ul>	<ul style="list-style-type: none"> <li>• Bidriware derives its name from Bidar, Karnataka.</li> <li>• The 500 year old art is Persian in origin, but bidriware is purely Indian innovation.</li> <li>• This art of engraving and inlaying is handed down by generations and is exclusive to Bidar.</li> </ul>

**Context – Government awarded GI tag to Mithila Makhana****Q.93) Consider the following statements about per-and Polyfluorinated Substances (PFAS)**

1. They are used to make fluoropolymer coatings that can resist heat, oil, stains, grease and water.

2. These substances break down easily in the environment and are an alternate to the conventional coating materials.

Choose the **incorrect** statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.93) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<p>Per-and Polyfluorinated Substances (PFAS)</p> <ul style="list-style-type: none"> <li>• They are hazardous man-made chemicals that spread globally in the atmosphere.</li> <li>• They are used to make fluoropolymer coatings that can resist heat, oil, stains, grease and water.</li> <li>• Products that use PFAs include clothing, furniture, adhesives, food packaging, non-stick cooking surfaces and electrical wire insulation.</li> </ul>	<p>Many PFAS, including perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA), are a concern because they:</p> <ul style="list-style-type: none"> <li>• do not break down in the environment,</li> <li>• can move through soils and contaminate drinking water sources,</li> <li>• Build-up (bio accumulate) in fish and wildlife.</li> </ul> <p>A recent study published in Environment Science and Technology has found that rainwater from many places across the globe is contaminated with “per- and polyfluoroalkyl substances,” (PFAs), which are called “forever chemicals” because of their tendency to stick around in the atmosphere, rainwater and soil for long periods of time.</p>

**Context – New research suggests that rainwater around the world is contaminated by PFAS**

**Q.94) Consider the following statements regarding Biodiversity Beyond National Jurisdiction (BBNJ) Treaty**

- 1. It is an instrument being developed under the framework of the 1982 United Nations Convention on Laws of Sea(UNCLOS)
- 2. BBNJ areas comprise around 99% of the total ocean surface

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.94) Solution(a)****Statement Analysis:**

<b>Statement 1</b>	<b>Statement 2</b>
<b>Correct</b>	<b>Incorrect</b>
The “BBNJ Treaty”, also known as the “Treaty of the High Seas”, is an international agreement on the conservation and sustainable use of marine biological diversity in areas beyond national jurisdiction, currently under negotiation at the United Nations. This new instrument is being developed within the framework of the UNCLOS, the main international agreement governing human activities at sea.	Areas beyond national jurisdiction(BBNJ) comprise 95% of the ocean and provide invaluable ecological, economic, social, cultural, scientific and food-security benefits to humanity. These areas are hardly regulated and also least understood or explored for its biodiversity - only 1% of these areas are under protection.

**Context: U.N Secretary General says “Countries Should Finalize Ambitious High Seas Treaty at Next Round of U.N. Talks”**

**Q.95) 'OsDREB1C' seen in news recently is related to**

- a) Pathogen found in milk
- b) Ransomware
- c) Gene present in rice
- d) Humanoid robot

**Q.95) Solution(c)**

OsDREB1C is present not just in rice, wheat, and other grasses, but also in broad-leaved plants. The gene, known as OsDREB1C, encodes proteins that control other genes involved in photosynthesis and nitrogen use. Tweaks to the genetically modified (GM) rice improved photosynthesis, sped up flowering and helped the plant to absorb nitrogen more efficiently.

**Context - Supercharged biotech rice yielded 40% more grain**

**Q.96) Consider the following statements related to Graded Response Action Plan (GRAP)**

1. The CPCB(Central Pollution Control body) is mandated to enforce the GRAP in the city as per the pollution levels
2. GRAP is applicable only to Delhi-National Capital Region(NCR) area.

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.96) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
Graded Response Action Plan (GRAP) was prepared by the Ministry of Environment, Forests & Climate Change (MoEFCC) after the order of Supreme Court of December 2016. The EPCA is mandated to enforce the Graded Response Action Plan (GRAP) in the city as per	GRAP includes the measures which will be taken by different government agencies to prevent worsening of Air Quality of Delhi-NCR (National Capital Region) and prevent PM10 and PM2.5 levels to go beyond 'moderate' national Air Quality Index (AQI) category.

the pollution levels.

NCR area includes regions (small portions) of Haryana, Uttar Pradesh and Rajasthan.

**Context:** With increasing air pollution levels in the NCR area, the GRAP measure becomes important.

**Q.97) 'Al-Shabab', a militant group seen in news is based in**

- a) Nigeria
- b) Syria
- c) Yemen
- d) Somalia

**Q.97) Solution(d)**

Harakat al-Shabaab al-Mujahideen more commonly known as al-Shabaab, is a Somalia-based Islamic insurgence group active in East Africa.

**Context – The militant group carried out an attack in Somalia**

**Q.98) Consider the following statements with respect to 'Grameen Udyami Project'**

1. It is a unique multiskilling project funded by the National Skill Development Corporation
2. The project aims to train 1 lakh tribal students in rural India
3. It is implemented under Sansadiya Parisankul Yojana

**Choose the correct answer using the code given below**

- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All the above

**Q.98) Solution(c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
To augment skill training in tribal communities for their inclusive and sustainable growth, National Skill Development Corporation (NSDC) in partnership with Seva Bharti and Yuva Vikas Society, launched the second phase of Grameen Udyami Project. Under the initiative, the endeavour is to multiskill India's youth and impart functional skills to them for enabling livelihoods	Grameen Udyami is a unique multiskilling project, funded by NSDC that aims to train 450 tribal students in Madhya Pradesh and Jharkhand. The project is being implemented in six states— Maharashtra, Rajasthan, Chhattisgarh, Madhya Pradesh, Jharkhand, and Gujarat.	Grameen Udyami Yojana is implemented under Sansadiya Parisankul Yojana.

**Context - Grameen Udyami Project launched in Ranchi to promote skill development and Entrepreneurship amongst the tribal youth, gives boost to Skill India Mission**

**Q.99) With reference to 'National Automated Fingerprint Identification System (NAFIS)', consider the following statements**

1. It assigns a unique National Fingerprint Number (NFN) to each person arrested for a crime
2. It was developed by National Information Center in association with Crime and Criminal Tracking Network & Systems(CCTNS)
3. Maharashtra became the first state in the country to identify a deceased person through NAFIS

**Choose the correct answer using the code given below**

- a) 1 only
- b) 2 and 3 only
- c) 2 only
- d) None of the above

**Q.99) Solution(a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Incorrect</b>
NAFIS assigns a unique 10-digit National Fingerprint Number (NFN) to each person arrested for a crime. This unique ID will be used for the person's lifetime, and different crimes registered under different FIRs will be linked to the same NFN. By automating the collection, storage, and matching of fingerprints, along with digitizing the records of fingerprint data, NAFIS will "provide the much-needed unique identifier for every arrested person in the CCTNS (Crime and Criminal Tracking Network & Systems) database as both are connected at the backend.	NAFIS, was developed by the National Crime Records Bureau (NCRB), would help in the quick and easy disposal of cases with the help of a centralised fingerprint database	In April this year, Madhya Pradesh became the first state in the country to identify a deceased person through NAFIS.

**Context – It was in news****Q.100) Consider the following statements with respect to 'Mandala Art'**

1. The art form is associated with tantric and neo-tantric spiritual movements
2. In Hinduism, the mandala is in the shape of a circle with a square at its center

**Select the INCORRECT statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2



d) Neither 1 nor 2

**Q.100) Solution(b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
While it continues to appear in thangka paintings, it has a central place in the practice of mainstream artists associated with the tantric and neo-tantric spiritual movements. In 1960s Sohan Qadri and Prafulla Mohanty gained widespread recognition for their works that were imbued with tantric symbolism, such as mandalas that are also used in the rituals of tantric initiation.	In Hinduism, the mandala is in the shape of a square with a circle at the center

**Context - Residents of Liverpool are marvelling over a mandala the size of one and a half football pitches in length created by artist James Brunt with materials such as leaves and rocks.**

**Q.101) Consider the following statements about VL-SRSAM system**

1. The VL-SRSAM system has been indigenously designed and developed by DRDO.
2. It is a long range surface to air missile.
3. VL-SRSAM is a canisterised system, thus making its transport and storage easier.

Choose the **incorrect** statements:

- a) 1 and 2
- b) 2 and 3
- c) 2 only
- d) 3 only

**Q.101) Solution (c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>The VL-SRSAM system has been indigenously designed and developed by DRDO.</li> <li>Designed and developed jointly by three facilities of the Defence Research and Development Organisation for deployment of Indian Naval warships.</li> </ul>	<ul style="list-style-type: none"> <li>Vertical Launch Short Range Surface to Air Missile (VL-SRSAM) was successfully flight-tested by Defence Research &amp; Development Organisation (DRDO) and the Indian Navy from an Indian Naval Ship at Integrated Test Range (ITR), Chandipur off the coast of Odisha.</li> </ul>	Features: <ul style="list-style-type: none"> <li>Cruciform wings: They are four small wings arranged like a cross on four sides and give the projective a stable aerodynamic posture.</li> <li>Thrust Vectoring: It is the ability to change the direction of the thrust from its engine, control the angular velocity and the attitude of the missile.</li> <li>Thrust is the force which moves an aircraft through the air.</li> <li>Canisterised system: The inside environment is controlled, thus making its transport and storage easier and improving the shelf life of weapons.</li> </ul>

**Context - DRDO & Indian Navy successfully flight-test Vertical Launch Short Range Surface-to-Air Missile off Odisha coast**

**Q.102) Consider the following statements about Bisphenol-A (BPA)**

1. It is a colourless solid which is soluble in organic solvents, but poorly soluble in water.
2. It is used in the process of manufacturing polycarbonates plastics and epoxy resins as a plasticizer.
3. BPA is known as endocrine disruptor.

**Choose the correct statements:**

- a) 2 only
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

**Q.102) Solution (d)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>Bisphenol A (BPA) is a chemical compound primarily used in the manufacturing of various plastics. It is a colourless solid which is soluble in most common organic solvents, but has very poor solubility in water.</li> </ul>	<ul style="list-style-type: none"> <li>BPA's largest single application is as a co-monomer in the production of polycarbonates, which accounts for 65-70% of all BPA production.</li> <li>The manufacturing of epoxy resins and vinyl ester resins account for 25–30% of BPA use.</li> </ul>	<ul style="list-style-type: none"> <li>BPA can also be found in breast milk.</li> <li>BPA is a known endocrine disruptor.</li> <li>Generally, BPA acts on hormonal level by distorting hormonal balance and inducing estrogenic effects through binding with estrogen-related receptors (ERR).</li> <li>The resultant effects are numerous of which hormonal related abnormalities have been mostly reported.</li> </ul>

**Context - Union Minister Dr Jitendra Singh unveils India's first truly indigenously developed Hydrogen Fuel Cell Bus developed by KPIT-CSIR in Pune**


**Q.103) Consider the following statements**

- Kazakhstan is bound on the south by Uzbekistan and Tajikistan.
- While Aral sea lies in Kazakhstan and Uzbekistan, lake Balkhash is completely located in Kazakhstan.

Choose the correct statements:

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

**Q.103) Solution (b)****Statement Analysis**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
<p>It is bounded on the northwest and north by Russia, on the east by China, and on the south by Kyrgyzstan, Uzbekistan, the Aral Sea, and Turkmenistan; the Caspian Sea bounds Kazakhstan to the southwest.</p>	

**Context - Raksha Mantri held bilateral meetings with his Uzbek, Kazakh and Belarusian counterparts on the first day of his visit to Tashkent**

**Q.104) Pandurang Khakoje, a prominent freedom fighter was associated with**

- Hindustan Republic Association
- Ghadar Party
- Indian National Army
- Anushilan Samiti

**Q.104) Solution(b)**

Pandurang Khankhoje was one of the founding members of the Ghadar Party, established by Indians living abroad in 1914, mostly belonging to Punjab. Its aim was to lead a revolutionary fight against the British in India. The Mexican Revolution of 1910 had led to the overthrow of the dictatorial regime, and this inspired Khankhoje. Pandurang Khankhoje had a close connection with Mexico, the country in which he sought refuge due to his association with the radical pro-Indian independence Ghadar Party.

**Context - Speaker Om Birla will unveil a statue of the freedom fighter and agricultural scientist during his visit to Mexico.**

**Q.105) Consider the following statements regarding ICDS ( Integrated Child Development Services)**

1. ICDS is a central sector scheme in which the beneficiaries are mother and their children under 6 years of age
2. Eleventh five-year plan linked ICDS to anganwadi centres established mainly in rural areas.

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.105) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The scheme is Centrally sponsored with the state governments contributing up to ₹1.00 per day per child. Integrated Child Development Services (ICDS) is a government program in India which provides nutritional meals, preschool education, primary healthcare, immunization, health check-up and referral services to children under 6 years of age and their mothers	The scheme was launched in 1975, discontinued in 1978 by the government of Morarji Desai, and then relaunched by the Tenth Five Year Plan. Tenth five-year plan also linked ICDS to Anganwadi centres established mainly in rural areas and staffed with frontline workers.

**Context: Ministry of Women and Child Development has issued Operational Guidelines regarding implementation of 'Saksham Anganwadi and Poshan 2.0'.**

**Q.106) Consider the following statements about Spectrographic Investigation of Nebular Gas (SING) Project**

1. It is a collaboration project between the Indian Space Research Organisation (ISRO) and Roscosmos to study ultraviolet radiation.
2. In this project Indian made spectroscope to be installed aboard the developing Chinese space station, Tiangong.
3. The SING project will be the first space-collaboration involving India and China.

**Choose the correct statements:**

- a) 1 and 2
- b) 2 and 3
- c) 1, 2 and 3
- d) 1 only

**Q.106) Solution (b)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>The project, called Spectrographic Investigation of Nebular Gas (SING), also involves collaboration with the Institute of Astronomy, Russian Academy of Sciences, and has been designed and developed by research students at the IIA</li> </ul>	<ul style="list-style-type: none"> <li>Tension between India and China since May 2020 is worrying Indian astrophysicists involved in an ambitious project to install an India-made spectroscope aboard the developing Chinese space station, Tiangong</li> </ul>	<ul style="list-style-type: none"> <li>The SING project would be the first space-collaboration involving India and China, and primarily deals with sending and positioning a spectrograph, an instrument that splits light into constituent frequencies and wavelengths, to study ultraviolet radiation</li> </ul>

**Context - India-China dispute casts gloom over this space project****Q.107) Consider the following statements about Homogeneous Precipitation Zones (HPZ)**

1. HPZ is classified on the basis of monsoon data rather than focusing on the yearly rainfall data.
2. India has a zoning system called Homogenous Monsoon Regions (HMR).

3. Homogenous Monsoon zoning system divides into 12 primary zones.

**Choose the correct statements:**

- a) 1 and 2
- b) 1, 2 and 3
- c) 2 and 3
- d) 2 only

**Q.107) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Incorrect</b>
<p>Homogeneous Precipitation Zones (HPZ)</p> <ul style="list-style-type: none"> <li>• It is proposed by the researchers to classify climate zones in India.</li> <li>• HPZ is classified on the basis of yearly rainfall data rather than merely focusing on monsoon rainfall data.</li> </ul>	<ul style="list-style-type: none"> <li>• India already has a zoning system called homogenous monsoon regions.</li> </ul>	<ul style="list-style-type: none"> <li>• The homogenous monsoon region separates the country into four primary zones, northwest, east and North East, central and southern peninsular India.</li> <li>• But there are some limitations to the existing zoning system.</li> <li>• The whole of south India, for instance, is categorised as a single zone</li> </ul>

**Context - Extreme rainfall events in the Western Ghats and the North East, already on the uptick, are expected to keep increasing through 2100, a new study has estimated.**

**Q.108) Consider the following statements with respect to 'Tomato Flu'**

1. It is a contagious disease caused by a bacteria
2. There is no specific treatment or vaccine available for the disease

**Choose the correct statement(s)**

- a) 1 only
- b) 2 only

- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.108) Solution(b)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
Tomato flu is a highly contagious but non-lethal disease. In most cases, it can be cured at home with some medications. Researchers now believe that it is HFMD caused by enteroviruses like Coxsackievirus A-6 and A-16.	There is no specific treatment or vaccine available for the disease. Those with the infection are treated symptomatically, such as prescription of paracetamol for fever.

**Context - Tomato flu has been reported from at least four states**

**Q.109) Consider the following statements regarding Coalition for Disaster Resilient Infrastructure (CDRI)**

1. CDRI was launched alongside of Sendai Framework for Disaster Risk Reduction in 2015
2. Multilateral development banks, private sector and academic institutions are part of this coalition

**Select the INCORRECT statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.109) Solution (a)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
It was launched by the Indian Prime Minister Narendra Modi at the 2019 UN Climate Action Summit in September 2019.	The Coalition for Disaster Resilient Infrastructure (CDRI) is an international coalition of countries, United Nations (UN)



<p>The Coalition for Disaster Resilient Infrastructure (CDRI) is an international coalition of countries, United Nations (UN) agencies, multilateral development banks, the private sector, and academic institutions, that aims to promote disaster-resilient infrastructure.</p>	<p>agencies, multilateral development banks, the private sector, and academic institutions, that aims to promote disaster-resilient infrastructure.</p>
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**Context: Centre signs headquarters agreement with Coalition for Disaster Resilient Infrastructure**

**Q.110) 'Garba' a dance form seen in news originates from**

- a) Rajasthan
- b) Maharashtra
- c) Gujarat
- d) Madhya Pradesh

**Q.110) Solution(c)**

Garba is a form of dance which originates from the state of Gujarat in India. The name is derived from the Sanskrit term Garbha. Many traditional garbas are performed around a centrally lit lamp or a picture or statue of the Goddess Shakti. Traditionally, it is performed during the nine-day Hindu festival Navarātrī.

**Context - India has nominated the Indian dance form Garba to be inscribed on UNESCO's intangible cultural heritage list**

**Q.111) Consider the following statements about Battery Waste Management Rules, 2022**

1. The importers of batteries are responsible for collection and recycling/refurbishment of waste batteries.
2. The rules enable setting up a centralized online portal for exchange of Extended Producer Responsibility (EPR) certificates.
3. On the principle of Polluter Pays Principle, environmental compensation will be imposed for non-fulfilment of EPR targets.

**Choose the correct statement(s) using the code given below**

- a) 1 only

- b) 2 only
- c) 1,2 and 3
- d) 1 and 3 only

**Q.111) Solution (c)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• The rules function based on the concept of Extended Producer Responsibility (EPR) where the producers (including importers) of batteries are responsible for collection and recycling/refurbishment of waste batteries and use of recovered materials from wastes into new batteries.</li> </ul>	<ul style="list-style-type: none"> <li>• The rules will enable setting up a mechanism and centralized online portal for exchange of EPR certificates between producers and recyclers/refurbishers to fulfil the obligations of producers.</li> <li>• The rules promote setting up of new industries and entrepreneurship in collection and recycling/refurbishment of waste batteries.</li> </ul>	<ul style="list-style-type: none"> <li>• On the principle of Polluter Pays Principle, environmental compensation will be imposed for non-fulfilment of Extended Producer Responsibility targets, responsibilities and obligations set out in the rules.</li> <li>• The funds collected under environmental compensation shall be utilised in collection and refurbishing or recycling of uncollected and non-recycled waste batteries.</li> </ul>

**Context - Government notifies Battery Waste Management Rules, 2022****Q.112) Consider the following statements**

1. Anang Tal is a manmade lake located in Delhi and is a monument of national importance.
2. The lake is claimed to be created by Tomar King, Anangpal II, in 1,060 AD.
3. Anangpal II was the founder of Dhillika Puri, which eventually became Delhi.
4. Anangpal Tomar II was succeeded by his grandson Prithviraj Chauhan.

**Choose the correct statements:**

- a) 2 and 3
- b) 1, 2 and 4
- c) 1 and 3
- d) 1, 2, 3 and 4

**Q.112) Solution (d)****Statement Analysis:**

<b>Option d</b>
<b>Correct</b>
<ul style="list-style-type: none"> <li>• Anang Tal lake declared monument of national importance through a gazette notification by the Ministry of Culture.</li> <li>• The lake is situated in Mehrauli, Delhi and is claimed to be created by Tomar King, Anangpal II, in 1,060 AD.</li> <li>• Anangpal II, popularly known as Anangpal Tomar, belonged to the Tomar dynasty.</li> <li>• He was the founder of Dhillika Puri, which eventually became Delhi.</li> <li>• He had built the city from ruins and under his supervision, Anang Tal Baoli and Lal Kot were constructed.</li> <li>• Anangpal Tomar II was succeeded by his grandson Prithviraj Chauhan.</li> <li>• Delhi Sultanate was established in 1192 after Prithviraj Chauhan's defeat in the Battle of Tarain (present-day Haryana) by the Ghurid forces.</li> </ul>

**Context – Anang Tal was declared a monument of national importance****Q.113) Consider the following statements about PEN-PLUS strategy**

1. It is a joint initiative of NITI Aayog and Ministry of Tribal Affairs
2. The initiative aims to train 500 tribal youths every year from 2022-25 in the labour-intensive sectors.
3. During the training period the youths will be provided with monthly stipend of Rs.1000.

Choose the **incorrect** statements:

- a) 1 only
- b) 3 only
- c) 1 and 3
- d) 1, 2 and 3

**Q.113) Solution (d)****Statement Analysis:**

**Option d****Correct**

- Africa has adopted a new strategy to boost access to the diagnosis, treatment and care of severe non-communicable diseases (NCD).
- Called 'PEN-PLUS, A Regional Strategy to Address Severe Non-communicable Diseases at First-Level Referral Health Facilities', the strategy is aimed at bridging the access gap in treatment and care of patients with chronic and severe NCDs.
- Health ministers of African countries endorsed the plan at the 72nd session of the World Health Organization (WHO) Regional Committee for Africa in Lome, Togo to reduce premature mortality from NCDs.
- NCDs include heart diseases, cancers, diabetes, asthma among others.
- Globally, NCDs are the main cause of morbidity and mortality. They account for 71 per cent of global mortality, according to WHO. In the African Region, the proportion of mortality due to NCDs ranges from 27-88 per cent.

**Context – African health ministers adopted PEN Plus strategy to fight against non-communicable diseases.**

**Q.114) Consider the following statements regarding 'Bharatmala Pariyojana'**

1. The Bharatmala Pariyojana is a central sector scheme fully funded by Government of India
2. One of the objectives of this scheme is constructing roads that fall in the Border Road or International Connectivity category.

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.114) Solution (b)****Statement Analysis:**

<b>Statement 1</b>	<b>Statement 2</b>
<b>Incorrect</b>	<b>Correct</b>
The Bharatmala Pariyojana ('India garland project') is a centrally-sponsored and funded Road and Highways project of the	Bharatmala Project Components: <ol style="list-style-type: none"> <li>1. Economic Corridor</li> <li>2. Feeder Route or Inter Corridor</li> </ol>

Government of India.	<ol style="list-style-type: none"> <li>3. National Corridor Efficiency Improvement</li> <li>4. Border Road and International Connectivity</li> <li>5. Port Connectivity and Coastal Road Port.</li> <li>6. Green Field Expressway</li> </ol>
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**Context: Tripartite MOU signed for Multi modal logistics park under Bharathmala pariyojana**

**Q.115) 'CSA6' seen in news is related to**

- a) Regulation of cell cycle
- b) Internet protocol
- c) Cyber security mechanism
- d) Trainer aircraft

**Q.115) Solution(a)**

The gene called CSA6 has been identified in *Candida albicans* a fungal species infamous for causing high rates of morbidity and mortality under certain immuno-compromised conditions such as AIDS or during cancer treatment. While five of the CSA genes identified in the study are known to be important for cell division in other species, the sixth CSA gene, named CSA6 encoded for a protein that is essential for viability in *C. albicans*. They found that Csa6 was a critical regulator of cell cycle progression wherein both overexpression and deletion of Csa6 lead to reduced growth of *C. albicans* cells.

**Context - Newly identified gene could be clue to treatment of fungal infection in immuno-compromised patients**

**Q.116) Consider the following statements about Software as a Service (SaaS)**

1. It is a software distribution model in which services are hosted by a cloud service provider.
2. The end-users do not need to install any software on their devices to access these services.
3. SaaS users can access their data through their mobile devices.

**Choose the correct statements:**

- a) 1 only
- b) 1 and 3
- c) 2 only
- d) 1, 2 and 3

**Q.116) Solution (d)****Statement Analysis:**

<b>Option d</b>
<b>Correct</b>
<ul style="list-style-type: none"> <li>• SaaS is also known as "On-Demand Software"</li> <li>• It is a software distribution model in which services are hosted by a cloud service provider.</li> <li>• These services are available to end-users over the internet so, the end-users do not need to install any software on their devices to access these services.</li> <li>• SaaS services can be accessed from any device such as desktops, laptops, tablets, phones, and thin clients.</li> </ul>

**Context - According to a study by EY and CII titled "India: The next global SaaS capital", India is poised to become the next SaaS capital over the next few years**

**Q.117) Consider the following statements about hydrogen fuel cell electric vehicles (FCEV)**

1. The primary advantage of hydrogen fuel cell electric vehicles (FCEV) is that they produce less tailpipe emissions.
2. They only emit water vapour and warm air.
3. Hydrogen fuel cell electric vehicles (FCEV) are more efficient than internal combustion engine vehicles.

Choose the **incorrect** statements:

- a) 1 only
- b) 1 and 2
- c) 2 only
- d) None

**Q.117) Solution (a)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Incorrect</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>Hydrogen Fuel Cell continue to produce electricity as long as there is a supply of hydrogen.</li> <li>The primary advantage of hydrogen fuel cell electric vehicles (FCEV) is that they produce no tailpipe emissions.</li> </ul>	<ul style="list-style-type: none"> <li>They only emit water vapour and warm air.</li> </ul>	<ul style="list-style-type: none"> <li>Another advantage is that they are more efficient than internal combustion engine vehicles.</li> </ul>

**Context – It was seen in news**

**Q.118)** Which of the following is/are **not** the verticals of Arth Ganga?

- Zero Budget Natural Farming
- Monetization and Reuse of Sludge & Wastewater
- Promote the cultural heritage and tourism of Ganga

**Choose the correct code:**

- 2 only
- 3 only
- 1 and 3
- None

**Q.118) Solution (d)**

<b>Option d</b>
<b>Correct</b>
<p>Arth Ganga Concept</p> <ul style="list-style-type: none"> <li>It focuses on the sustainable development of the Ganga and its surrounding areas, by focusing on economic activities related to the river.</li> </ul> <p><b>Features</b></p> <p>Under Arth Ganga, the government is working on six verticals.</p> <ul style="list-style-type: none"> <li>The first is Zero Budget Natural Farming, which involves chemical-free farming on 10 km on either side of the river, and the promotion of cow dung as fertiliser through the</li> </ul>

GOBARdhan scheme.

- The Monetization and Reuse of Sludge & Wastewater is the second, which seeks to reuse treated water for irrigation, industries and revenue generation for Urban Local Bodies (ULBs).
- It involves Livelihood Generation Opportunities, by creating haats where people can sell local products, medicinal plants and ayurveda.
- The fourth is to increase public participation by increasing synergies between the stakeholders involved with the river.
- The model promotes the cultural heritage and tourism of Ganga and its surroundings, through boat tourism, adventure sports and by conducting yoga activities.
- Lastly, the model seeks to promote institutional building by empowering local administration for improved water governance.

**Context - The Director General of the National Mission for Clean Ganga, spoke about the Arth Ganga model during his virtual keynote address to the Stockholm World Water Week 2022 on Wednesday (August 24)**

**Q.119) Consider the following statements regarding Joint River Commission(JRC)**

1. The JRC is a bilateral working group established by India and Nepal.
2. JRC is headed by Environment Ministers of both the countries

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.119) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Incorrect</b>
The Joint River Commission was a bilateral working group established by India and Bangladesh in the Indo-Bangla Treaty of Friendship, Cooperation and Peace that was signed on March 19, 1972 and came into being in November, 1972. As per the treaty, the two	JRC is headed headed by Water Resources Ministers of both the countries



nations established the commission to work for the common interests and sharing of water resources, irrigation, floods and cyclones control.	
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**Context: India, Bangladesh discuss Ganga, Teesta and Koshiyara in Joint River Commission meeting.**

**Q.120) 'Aashwasan Campaign' seen in news is an initiative of**

- a) Ministry of AYUSH
- b) Ministry of Skill Development and Entrepreneurship
- c) Ministry of Tribal Affairs
- d) Ministry of Woman and Child Development

**Q.120) Solution(c)**

Ministry of Tribal Affairs and TB division of Ministry of Health and Family welfare organized a national conclave on 24th August at the National Tribal Research Institute (NTRI), New Delhi to disseminate the learnings of the 100-day Aashwasan Campaign under 'Tribal TB Initiative'. Tribal TB Initiative is a joint initiative of the Ministry of Tribal Affairs and Central TB Division, Ministry of Health, supported by USAID as technical partner and Piramal Swasthya as implementing partner.

**Context - Ministry of Tribal Affairs and Ministry of Health and Family Welfare conduct door-to-door screening for TB in more than 68,000 villages under Aashwasan campaign**

**Q.121) Consider the following statements regarding the Forest Laws in India**

1. Forests are included in List III under the Seventh Schedule of the Constitution.
2. Forest Conservation Act, 1980 (FC) applies to all kinds of forests, whether under the control of the Forest or the Revenue Department.
3. Clearance for non-forest use of forestland under the FC Act, 1980 requires giving back twice the area for compensatory afforestation (CA) from Revenue Department to Forest Department.

Choose the **incorrect** statements:

- a) 1 only

- b) 2 only
- c) 2 and 3
- d) None

**Q.121) Solution (d)****Statement Analysis:**

Statement 1	Statement 2	Statement 3
<b>Correct</b>	<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• In 1976, forests were included in List III (Concurrent List) under the Seventh Schedule of the Constitution.</li> </ul>	<ul style="list-style-type: none"> <li>• The FC Act, 1980, applies to all kinds of forests, whether under the control of the Forest or the Revenue Department, and it requires statutory clearance before forests can be used for any non-forest purpose such as industry, mining, or construction.</li> </ul>	Compensatory Afforestation (CA): <ul style="list-style-type: none"> <li>• Clearance for non-forest use of forestland under the FC Act requires giving back twice the area for compensatory afforestation (CA) from Revenue Department to Forest Department.</li> </ul>

**Context - The Union Ministry of Environment, Forest and Climate Change has objected to the transfer of thousands of hectares of land without following due process by Chhattisgarh from its Forest to the Revenue Department for setting up industries and for building road, rail, and other infrastructure.**

**Q.122) Consider the following statements**

1. INS Vikrant is India's first indigenous aircraft carrier and the largest warship to have ever been built in India.
2. At present, India has only one aircraft carrier, INS Vikramaditya, which is built on a Russian platform.
3. INS Vikrant is built by India's state-run Cochin Shipyard Limited (CSL).

**Choose the correct statements:**

- a) 1 and 2
- b) 1 only
- c) 2 and 3

d) 1, 2 and 3

**Q.122) Solution (d)**

**Statements Analysis:**

<b>Option d</b>
<b>Correct</b>
<p>INS Vikrant Aircraft Carrier</p> <ul style="list-style-type: none"> <li>• It is India's first indigenous aircraft carrier and the largest warship to have ever been built in India.</li> <li>• INS Vikrant is built by India's state-run Cochin Shipyard Limited (CSL).</li> <li>• With the construction of 'Vikrant', India has joined a select group of nations such as the US, the UK, Russia, China and France, having the niche capability to indigenously design and build an aircraft carrier.</li> <li>• The INS Vikrant has over 2,300 compartments, designed for a crew of around 1,700 people, including specialised cabins to accommodate women officers.</li> <li>• Vikrant has a top speed of around 28 knots and a cruising speed of 18 knots with an endurance of about 7,500 nautical miles.</li> <li>• The warship is 262 metres long, 62 metres wide and it has a height of 59 metres.</li> <li>• India has had aircraft carriers earlier too, but those were built either by the British or the Russians.</li> <li>• The 'INS Vikramaditya', which was commissioned in 2013 and which is currently the Navy's only aircraft carrier, started out as the Soviet-Russian warship 'Admiral Gorshkov'.</li> <li>• India's two earlier carriers, the 'INS Vikrant' and the 'INS Viraat', were originally the British-built 'HMS Hercules' and 'HMS Hermes'.</li> </ul>

**Context – India's first indigenously built aircraft carrier to be commissioned soon**

**Q.123) Consider the following statements about Malvinas Island**

1. It is an internally self-governing overseas territory of the United Kingdom and is located in the Pacific Ocean.
2. It is located to the east of the Strait of Magellan.
3. It is a disputed territory between the UK and Chile.

Choose the **incorrect** statements:

a) 2 and 3

- b) 3 only
- c) 1 and 2
- d) 1, 2 and 3

**Q.123) Solution (b)****Statement Analysis:****Option b****Correct**

Malvinas Island

- Falkland Islands, also called Malvinas Islands or Spanish *Islas Malvinas*, internally self-governing overseas territory of the United Kingdom in the South Atlantic Ocean.
- It lies northeast of the southern tip of South America and a similar distance east of the Strait of Magellan.
- The capital and major town is Stanley, on East Falkland.
- It is a disputed Island between the UK and Argentina.



**Context - India reiterates support to Argentina for resumption of negotiations on the Malvinas**

**Q.124) Consider the following statements**

1. A nuclear matrix is a fibrous meshwork of proteins which results when DNA is removed from the nucleus of the cell
2. Nuclear matrix is involved in regulation of gene expression, gene localisation and organisation of chromatin in living cells.

**Select the correct statement/s:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.124) Solution (c)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
The nuclear matrix is the network of fibres found throughout the inside of a cell nucleus after a specific method of chemical extraction. According to some it is somewhat analogous to the cell cytoskeleton. In contrast to the cytoskeleton, however, the nuclear matrix has been proposed to be a dynamic structure. Along with the nuclear lamina, it supposedly aids in organizing the genetic information within the cell.	The presence of intra-cellular proteins is common ground, and it is agreed that these proteins have some role in the organisation of chromatin in the living cell. The nuclear matrix is involved in gene localization and in the concentration and subnuclear localization of regulatory factors.

**Context: Fruit fly: novel method to study nuclear matrix – recent studies have revealed.**

**Q.125) 'Port Klang' seen in news recently is situated in**

- a) Malaysia
- b) Vietnam
- c) Indonesia
- d) Singapore

**Q.125) Solution(a)**

Port Klang is a town and the main gateway by sea into Malaysia. Known during colonial times as Port Swettenham but renamed Port Klang in July 1972, it is the largest port in the country.

**Context - As part of the Indian Navy's long-range operational deployment, INS Sumedha deployed to South East Asia, visited Port Klang, Malaysia**

**Q.126) Consider the following statements**

1. About 27% of the universe is made of dark energy and 68% is made of dark matter.
2. While dark matter attracts and holds galaxies together, dark energy repels and causes the expansion of the universe.

**Choose the incorrect statements:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.126) Solution (a)****Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• Dark matter is made up of particles that do not have a charge — which means they do not interact through electromagnetic interactions.</li> <li>• So, these are particles that are “dark”, namely because they do not emit light, which is an electromagnetic phenomenon, and “matter” because they possess mass like normal matter and hence interact through gravity.</li> <li>• Dark energy is an unknown form of energy that affects the universe on the largest scales.</li> <li>• The first observational evidence for its existence came from measurements of supernovae</li> <li>• About 27% of the universe is dark matter and 68% is</li> </ul>	<ul style="list-style-type: none"> <li>• While dark matter attracts and holds galaxies together, dark energy repels and causes the expansion of the universe.</li> </ul>

dark energy.	
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**Context: James Webb telescope was in news**

**Q.127) Which of the below given pairs is/are correctly matched?**

Strait	Connects
Strait of Dardanelles	The Black Sea to Sea of Marmara
Strait of Magellan	The Atlantic ocean and Pacific ocean
Cook Strait	Adriatic Sea & Ionian Sea
Strait of Tartary	Sea of Okhotsk and the Sea of Japan

**Choose the correct code:**

- a) One pair only
- b) Two pairs only
- c) Three pairs only
- d) Four pairs only

**Q.127) Solution (b)**

**Option b**

**Correct**

- The Dardanelles connects the Sea of Marmara with the Aegean Sea.
- Strait of Magellan, Spanish Estrecho de Magallanes, channel linking the Atlantic and Pacific oceans, between the mainland tip of South America and Tierra del Fuego island.
- Cook Strait separates the North and South Islands of New Zealand. The strait connects the Tasman Sea on the northwest with the South Pacific Ocean on the southeast.
- Strait of Tartary or Gulf of Tartary is a strait in the Pacific Ocean dividing the Russian island of Sakhalin from mainland Asia, connecting the Sea of Okhotsk on the north with the Sea of Japan on the south.

**Context – These places were in news**

**Q.128) Consider the following statements about the Small Cells in 5G**

1. Small Cells are low-powered base stations that have a coverage range from a few metres to a few hundred metres.
2. Small Cells are not needed for deploying 5G unlike earlier generations such as 4G, because of the frequency.

Choose the correct statements:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.128) Solution (a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• Small Cells are low-powered radio access nodes or base stations that have a coverage range from a few metres to a few hundred metres.</li> <li>• They are portable, easy to deploy and help provide localised coverage.</li> <li>• Small Cells provide coverage for very short distances and therefore they are installed in a large number, even more than 200 per sq. km, for good geographical coverage to provide highly reliable and high-capacity broadband.</li> </ul>	<ul style="list-style-type: none"> <li>• Small Cells are needed for deploying 5G as opposed to earlier generations such as 4G, because of the frequency.</li> <li>• The higher the frequency, the lower the wavelength, which means that the distance they travel is less.</li> <li>• For higher frequencies in the range of 3.3-3.6 GHz, which are expected to be used for offering 5G services, the waves will travel around 100-150 metres.</li> <li>• To expedite the roll out of 5G, telecom operators in the country will leverage street furniture such as poles, advertisement hoardings and bus shelters for deploying the Small Cells.</li> <li>• They are usually deployed in dense urban areas such as downtown, stadiums, train stations, malls, and areas with high data capacity requirements and coverage.</li> </ul>

**Context - To expedite the roll out of 5G, telecom operators in the country will leverage street furniture such as poles, advertisement hoardings and bus shelters for deploying low power base stations called 'Small Cells' that will help bring the network closer to the consumers.**

**Q.129) Consider the following statements regarding Nuclear Non-Proliferation Treaty (NPT)**

1. The right to peacefully use of nuclear technology is one of the Pillars of this treaty.
2. Non-parties to the treaty are India, Israel, North Korea, Pakistan and South Sudan only.



Select the correct statement/s:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.129) Solution (c)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
<p>The NPT consists of a preamble and eleven articles. Although the concept of "pillars" is not expressed anywhere in the NPT, the treaty is nevertheless sometimes interpreted as a three-pillar system, with an implicit balance among them:</p> <ol style="list-style-type: none"> <li>1. non-proliferation,</li> <li>2. disarmament, and</li> <li>3. the right to peacefully use nuclear technology.</li> </ol>	<p>As of August 2016, 191 states have become parties to the treaty, though North Korea, which acceded in 1985 but never came into compliance, announced its withdrawal from the NPT in 2003, following detonation of nuclear devices in violation of core obligations. Four UN member states have never accepted the NPT, three of which possess or are thought to possess nuclear weapons: India, Israel, and Pakistan. In addition, South Sudan, founded in 2011, has not joined.</p>

**Context: Russia blocks final document at U.N. nuclear treaty conference**

**Q.130) 'Global Gender Gap Report' is published by**

- a) UN Women
- b) World Bank
- c) Human Rights Watch
- d) World Economic Forum

**Q.130) Solution(d)**

The Global Gender Gap Report was first published in 2006 by the World Economic Forum. The Global Gender Gap Index is an index designed to measure gender equality. It assesses countries

on how well they are dividing their resources and opportunities among their male and female populations, regardless of the overall levels of these resources and opportunities.

**Context – It was recently in news**

**Q.131) Consider the following statements about Open Network For Digital Commerce (ONDC)**

1. It is a not-for-profit organisation that offers a network to enable local digital commerce stores across industries to be discovered and engaged by any network-enabled applications.
2. It is a hosting platform and all existing digital commerce applications and platforms must be a part of the ONDC network.

**Choose the correct statements:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.131) Solution (a)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Incorrect</b>
<ul style="list-style-type: none"> <li>• ONDC is a freely accessible government-backed platform that aims to democratise e-commerce by moving it from a platform-centric model to an open network for buying and selling of goods and services.</li> <li>• It is a not-for-profit organisation that will offer a network to enable local digital commerce stores across industries to be discovered and engaged by any network-enabled applications.</li> </ul>	<ul style="list-style-type: none"> <li>• It is neither an aggregator application nor a hosting platform, and all existing digital commerce applications and platforms can voluntarily choose to adopt and be a part of the ONDC network.</li> <li>• The ONDC aims at promoting open networks developed on open-sourced methodology, using open specifications and open network protocols, independent on any specific platform.</li> <li>• Implementation of ONDC, which is expected to be on the lines of Unified Payments Interface (UPI) could bring various operational aspects put in place</li> </ul>

	by e-commerce platforms to the same level.
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**Context - ONDC plans to start beta-testing the network with public users in limited areas**

**Q.132) Consider the following statements**

1. Nuclear Command Authority (NCA) is India's nodal authority responsible for command, control and operational decisions regarding India's nuclear weapons programme.
2. The Executive Council of NCA is chaired by Prime Minister of India and it authorises a nuclear attack if need be.
3. The strategic forces command (SFC) is in charge of the nuclear forces' administration and would be in charge of firing nuclear weapons.

Choose the **incorrect** statements:

- a) 2 and 3
- b) 1 only
- c) 2 only
- d) 1 and 2

**Q.132) Solution (c)**

**Statement Analysis:**

Statement 1	Statement 2	Statement 2
<b>Correct</b>	<b>Incorrect</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• Nuclear Command Authority (NCA) is India's nodal authority responsible for command, control and operational decisions regarding India's nuclear weapons programme.</li> </ul>	<ul style="list-style-type: none"> <li>• It has Executive Council and Political Council.</li> <li>• The Executive Council is chaired by the National Security Adviser (NSA).</li> <li>• It gives inputs to the Political Council, which authorises a nuclear attack if need be.</li> <li>• The Political Council is chaired by the Prime Minister and is advised by the Executive Council.</li> </ul>	<ul style="list-style-type: none"> <li>• The NCA's directives are executed by the Strategic Forces Command.</li> <li>• The strategic forces command (SFC) would be in charge of the nuclear forces' administration and would be in charge of firing nuclear weapons</li> </ul>

**Context - An international conference to review the Nuclear Non-proliferation Treaty concluded at the United Nations in New York last week without a consensus document**

**Q.133) Consider the following statements about the Scheme for Economic Empowerment of DNTs (SEED)**

1. It is an initiative of Ministry of Tribal Affairs for the welfare of De-Notified Tribes (DNTs), Nomadic Tribes (NTs) and Semi Nomadic Tribes.
2. Under the scheme every tribal family is provided with 1 hectare of agricultural land for income generation.

**Choose the correct statements:**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.133) Solution (d)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Correct</b>	<b>Correct</b>
<ul style="list-style-type: none"> <li>• In February 2022, Scheme for Economic Empowerment of DNTs (SEED) was launched by the Union Ministry for Social Justice and Empowerment.</li> </ul>	<p>The scheme has been formulated with four components that affect their livelihood.</p> <p>The four components of the SEED scheme are –</p> <ul style="list-style-type: none"> <li>• Educational Empowerment – Free coaching to students from these communities for Civil Services, entry to professional courses like medicine, engineering, MBA, etc.</li> <li>• Health Insurance – Through Pradhan Mantri Jan Arogya Yojana of National Health Authority</li> <li>• Livelihoods – To support income generation,</li> <li>• Housing – Through Pradhan Mantri Awas Yojana</li> </ul> <p>Expenditure of Rs 200 crore to be spent over five years 2021-22 to 2025-26.</p>

**Context - SEED, a scheme meant for the upliftment of Denotified, Nomadic and Semi-Nomadic Tribes (DNTs/NTs/SNTs) was in news.**

**Q.134) Consider the following statements regarding stem cells**

1. Embryonic stem cells (ESCs) are formed in the early stages of embryo whereas Adult stem cells(ASCs) are found throughout the entire body of adult organism.
2. Induced pluripotent stem cells (iPSCs) are derived from ASC's cells that have been reprogrammed back into an embryonic-like pluripotent state

**Select the correct statement(s)**

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

**Q.134) Solution (b)**

**Statement Analysis:**

Statement 1	Statement 2
<b>Incorrect</b>	<b>Correct</b>
Embryonic stem cells (ESCs) are the cells of the inner cell mass of a blastocyst, formed prior to implantation in the uterus. Adult stem cells are found in a few select locations in the body, known as niches, such as those in the bone marrow or gonads.	iPSC are derived from skin or blood cells that have been reprogrammed back into an embryonic-like pluripotent state that enables the development of an unlimited source of any type of human cell needed for therapeutic purposes.

**Context: Scientists grow 'Synthetic' Embryo with Brain and Beating Heart Grown From Stem Cells**

**Q.135) 'Saddle Pass' seen in news recently is located in**

- a) Sikkim
- b) Uttarakhand
- c) Arunachal Pradesh
- d) Ladakh

**Q.135) Solution(d)**

Saddle Pass is located at the Charding Ninglung Nallah (CNN) track junction in Demchok in Eastern Ladakh.

**Context - Indian graziers were stopped by the Chinese army at Demchok in Ladakh.**