

QUESTION BANK

MONTHLY COMPILATION OF PRELIMS AND
MAINS BASED QUESTIONS

SEPTEMBER 2022



Questions based
on important articles
from multiple
sources



Questions in line
with UPSC syllabus
and question
paper trends



Answer keys and
explanations for
the Prelims-based
questions

PRACTICE QUESTIONS

1. Cri-MAC recently seen in news is (Level- Medium)
- A counter-terrorism programme which will utilize technologies like Big Data and analytics
 - The Centre's online platform meant to share information and coordinate action among law enforcement agencies on serious criminal incidents
 - Social Media Communication (SMC) hub in every district across the country that will be the eyes and ears of the government
 - A multi-stakeholder cyber-security and e-surveillance agency
2. Which of the following countries are part of Collective Security Treaty Organization (CSTO)? (Level- Medium)
- Armenia
 - Azerbaijan
 - Belarus
 - Kazakhstan
 - Kyrgyzstan
 - Russia
 - Tajikistan
 - Uzbekistan
- Options:
- 1, 2, 7 and 8 only
 - 2, 3, 4, 5, 6 and 8 only
 - 1, 3, 4, 5, 6 and 7 only
 - 1, 2, 3, 4, 5 and 6 only
3. Consider the following statements with respect to Cervavac: (Level- Difficult)
- It is India's first indigenously developed vaccine for the prevention of cervical cancer.
 - Almost all cervical cancer cases are linked to certain strains of human papillomavirus (HPV).
 - It was developed by the Pune-based Serum Institute of India in coordination with the Government of India's Department of Biotechnology (DBT).
- Which of the statements given above is/are correct?
- 1 only
 - 1 and 2 only
 - 2 and 3 only
 - 1, 2 and 3
4. With respect to Rashtriya Vayoshri Yojana (RVY), which of the following statements is/are correct? (Level-Medium)
- It is a Central Sector Scheme, fully funded by the Central Government.
 - It is a scheme for providing Physical Aids and Assisted-living Devices for all Senior citizens.
- Options:
- 1 only
 - 2 only
 - Both
 - None
5. In the context of vaccines manufactured to prevent COVID-19 pandemic, consider the following statements: (Level- Difficult)
- The Serum Institute of India produced a COVID-19 vaccine named Covishield using mRNA platform.
 - Sputnik V vaccine is manufactured using a vector-based platform.
 - COVAXIN is an inactivated pathogen-based vaccine.
- Which of the statements given above are correct?
- 1 and 2 only
 - 2 and 3 only
 - 1 and 3 only
 - 1, 2 and 3
6. Consider the following statements with regards to Lumpy skin disease: (Level – Difficult)
- It is a bacterial disease of domestic cattle, water buffaloes and some wild ruminants.
 - Vaccination against this disease is covered under the Livestock Health and Disease Control Programme of India.
 - Lumpy skin disease was first seen as an epidemic in Zambia in 1929.
- Choose the correct code:

- A. Only one statement is correct.
 B. Only two statements are correct.
 C. All three statements are correct.
 D. None of the statements is correct.
7. Consider the following statements with respect to Languages in India: (Level – Easy)
- The last language to be given the status of 'Classical' language in India was Odia.
 - Hindi was originally supposed to be the official language of the Union only for 15 years after the commencement of the Constitution.
 - The 8th Schedule of the Indian Constitution lists a total of 22 languages.
- Choose the correct code:
- A. 1 & 2 only
 B. 2 & 3 only
 C. 1 & 3 only
 D. All of the above
8. Consider the following statements with regards to a community:(Level – Difficult)
- They are predominantly Buddhists.
 - They fled erstwhile East Pakistan (now Bangladesh) in 1964-65 and came to India and settled in Arunachal Pradesh.
 - They lost their land to the development of the Kaptai Dam on the Karnaphuli River, Bangladesh.
- Which of the following communities is being defined here?
- A. Chakmas
 B. Hajongs
 C. Brus
 D. Konyaks
9. Quad has the highest number of common members with which of the following groups? (Level – Medium)
- A. SCO
 B. ASEAN
 C. G7
 D. UNSC permanent members
10. When the alarm of your smartphone rings in the morning, you wake up and tap it to stop the alarm which causes your geyser to be switched on automatically. The smart mirror in your bathroom shows the day's weather and also indicates the level of water in your overhead tank. After you take some groceries from your refrigerator for making breakfast, it recognises the shortage of stock in it and places an order for the supply of fresh grocery items. When you step out of your house and lock the door, all lights, fans, geysers and AC machines get switched off automatically. On your way to office, your car warns you about traffic congestion ahead and suggests an alternative route, and if you are late for a meeting, it sends a message to your office accordingly. PYQ (2018)
- In the context of emerging communication technologies, which one of the following terms best applies to the above scenario? (Level – Easy)
- A. Border gateway patrol
 B. Internet of things
 C. Internet Protocol
 D. Virtual Private Network
11. Which of the following statement/s is/are correct with respect to the National Legal Services Authority (NALSA)? (Level-Medium)
- It is a statutory body.
 - While the Chief Justice of India is the patron-in-chief, the second senior most judge of the Supreme Court of India is the Executive chairperson of the authority.
 - The Executive Chairman of NALSA is appointed by the Chief Justice of India.
- Options:
- A. 1 and 2 only
 B. 2 and 3 only
 C. 1 and 3 only
 D. 1, 2 and 3
12. Consider the following pairs of Women revolutionaries and the description of their contribution to the struggle against British Imperialism. (Level-Difficult)
- | Revolutionary | Contribution |
|--------------------|----------------------------------------------------------|
| 1. Bina Das | Attempt on the life of Bengal Governor Stanley Jackson |
| 2. Lila Nag Sangha | First woman to be recruited as member of the Dacca Shree |
| 3. Kalpana Datta | Part of the Chittagong armoury raid of 1930 |

4. Nanibala Devi Active member of the revolutionary group Jugantar

How many of the above pairs is/are correctly matched?

- A. One pair only
- B. Two pairs only
- C. Three pairs only
- D. All four pairs

13. Which of the following can be considered as possible applications of Quantum Computing? (Level-Medium)

- 1. Drug design and development
- 2. Artificial intelligence and machine learning
- 3. Cyber security and cryptography
- 4. Improvement of supply chains and logistics
- 5. Modelling of financial data
- 6. Weather forecasting

Options:

- A. 1, 2, 3 and 6 only
- B. 2, 3 and 6 only
- C. 1, 4 and 5 only
- D. 1, 2, 3, 4, 5 and 6

14. India's first-ever 'Night Sky Sanctuary' is planned to be set up at which of the following places? (Level-Difficult)

- A. Hanle (A)
- B. Dharmashala
- C. Nainital
- D. Pune

15. In the context of polity, which one of the following would you accept as the most appropriate definition of liberty? (Level-Difficult)

- A. Protection against the tyranny of political rulers
- B. Absence of restraint
- C. Opportunity to do whatever one likes
- D. Opportunity to develop oneself fully

16. How many of the given statements is/are INCORRECT? (Level-Medium)

- 1. The Himalayan Chandra Telescope is located at Hanle in Ladakh.
- 2. The High Energy Gamma Ray telescope is located at Hanle in Ladakh.
- 3. India's biggest and second dark sky reserve will come up at Hanle in Ladakh.

Options:

- A. One statement only
- B. Two Statements only
- C. All three statements
- D. None of the above

17. The temple was built by the Karkota dynasty king Lalitaditya Muktapida. It is dedicated to Lord Surya and has definite Gandhara influences. Rajatarangini written by Kalhana has descriptions of the grandeur of this temple. The temple being described is: (Level-Difficult)

- A. Konark Sun Temple
- B. Navalkha Temple
- C. Martand Sun temple
- D. Suryanar Kovil

18. How many of the given statements with respect to "New Fund Offer (NFO)" is/are Correct? (Level-Medium)

- 1. NFO is the first-time subscription offer for a new scheme launched by the asset management companies (AMCs).
- 2. Objective of the NFOs is to provide last-mile funding for stalled affordable and middle-income housing projects across the country.
- 3. NFOs are launched in the market to raise capital.

Options:

- A. One statement only
- B. Two statements only
- C. All three statements
- D. None of the above

19. "Kurki" - recently seen in the news refers to:(Level-Medium)

- A. A system used to monitor migrant laborers, working primarily in the construction and domestic sectors in Gulf Cooperation Council member states and a few neighboring countries.
- B. The common systematic law on administrative procedure adopted by governments of Kyrgyzstan, Turkmenistan and Uzbekistan.
- C. An informal and illegal method of transferring money without any physical money actually moving.
- D. The attachment of a farmer's land, already pledged to the money lending institution or individual, in case of a loan default.

22. The 'Hilsa fish' plays a role in diplomacy between which two countries? (Level – Easy)

- A. India and Sri Lanka
- B. India and Thailand
- C. India and Bangladesh
- D. India and Pakistan

23. What purpose does a 'Dark Sky Reserve' serve? (Level – Medium)

- 1. Facilitate astronomical observations
- 2. Protect nocturnal bird species
- 3. Promote astronomy tourism

Options:

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

20. In the context of the history of India, consider the following pairs: (Level-Difficult)(CSE Prelims-2016)

Term	Description
1. Eripatti	Land revenue from which was set apart for the maintenance of the village tank
2. Taniyurs	Villages donated to a single Brahmin or a group of Brahmins
3. Ghatikas	Colleges generally attached to the temples

Which of the pairs given above is/are correctly matched?

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

24. Which of the following statements are correct? (Level – Difficult)

- 1. PM Schools for Rising India (PM-SHRI) is a new centrally sponsored scheme.
- 2. Under the scheme, model schools are identified and nurtured to showcase all components of the National Education Policy-2020.
- 3. These will act as exemplary schools and also offer mentorship to other schools in their vicinity.

Options:

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

21. Consider the following statements, with regard to the historic Ramappa Temple in Telangana - (Level – Easy)

- 1. It is a Buddhist temple dedicated to Lord Buddha.
- 2. It is an example of Kakatiya architecture.
- 3. In 2021, the temple was inscribed as a UNESCO World Heritage Site.

Which of the above statements is/are correct?

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

25. With reference to the history of India, 'ulgulan' or the great tumult is the description of which of the following? (Level – Difficult) PYQ (2021)

- A. The Revolt of 1857
- B. The Mappila rebellion of 1921
- C. The Indigo revolt of 1859-1860
- D. Birsa Munda's revolt of 1899-1900

26. Consider the following statements with regards to Covid - 19 vaccines: (Level – Medium)

1. Bharat Biotech's COVID-19 recombinant nasal vaccine has been approved by the Ministry of Health's Central Drugs Standard Control Organisation for primary immunisation of those aged 12 years and above in emergency situations.
2. Nasal vaccines aim to overcome potential difficulties with mass vaccination and reduce the cost by doing away with the need for needles and syringes.
3. According to experts, there is very little evidence to back the effectiveness of nasal route of delivery so far and, apart from some flu vaccines, attempts to deliver vaccines like this have not been successful.

Choose the correct code:

- A. Only one statement is incorrect
- B. Only two statements are incorrect
- C. All three statements are incorrect
- D. None of the statements is incorrect

27. Consider the following statements with respect to the Satluj Yamuna Link canal: (Level – Medium)

1. Once completed, it will enable sharing of the waters of the rivers Ravi and Beas between Haryana and Punjab.
2. In 1982, then Prime Minister Indira Gandhi launched the construction of the SYL Canal.
3. Water resources are under the State List, while the Parliament has the power to make laws regarding inter-state rivers under the Union List.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

28. Which of the following Supreme Court cases are related to Section 66A of the Information Technology Act, 2000? (Level – Easy)

- A. Lily Thomas case, 2013
- B. Shreya Singhal case, 2015
- C. Suresh Kumar Koushal case, 2013
- D. Justice K.S. Puttaswamy case, 2017

29. Consider the following statements: (Level – Difficult)

1. The cheetah is believed to have disappeared from the Indian landscape when the Maharaja Ramanuj Pratap Singh Deo of Koriya in the present day Chhattisgarh hunted and shot the last three recorded Asiatic cheetahs in India in 1947.
2. The cheetah was declared extinct from India in 1952.
3. Under the intercontinental cheetah translocation project at the Kuno National Park in Madhya Pradesh, eight cheetahs are being brought from South Africa.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

30. Which of the following statements are correct about the deposits of 'methane hydrate'? (Level – Medium) PYQ (2019)

1. Global warming might trigger the release of methane gas from these deposits.
2. Large deposits of 'methane hydrate' are found in Arctic Tundra and under the seafloor.
3. Methane in the atmosphere oxidizes to carbon dioxide after a decade or two.

Select the correct answer using the code given below.

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

31. Consider the following statements with regards to National Clean Air Programme (Level – Medium)

1. It seeks to cut the concentration of coarse (particulate matter of diameter 10 micrometer or less, or PM10) and fine particles (particulate matter of diameter 2.5 micrometer or less, or PM2.5) by 20% – 30% by 2024, with 2017 as the base year for comparison.
2. The programme was launched by the Ministry of Environment, Forests and Climate Change in January 2019.

3. It includes 123 non-attainment cities across the country based on the 2014-2018 Air Quality data since these cities did not meet the National Ambient Air Quality Standards for these 5 straight years.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

32. Consider the following statements with respect to Subhash Chandra Bose and INA (Level – Difficult)

1. Owing to political differences, he resigned from the Congress Presidentship in 1939 and organised the All India Forward Bloc, a faction within the Congress in Bengal.
2. On 21st October 1941, Subhash Chandra Bose announced the formation of the Provisional Government of Azad Hind in Singapore.
3. The INA was first formed under Mohan Singh and Japanese Major Iwaichi Fujiwara and comprised Indian prisoners of war of the British-Indian Army captured by Japan in the Malayan (present-day Malaysia) campaign and at Singapore.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

33. Which of the following is/are non-communicable diseases? (Level – Easy)

1. Cancer
2. Tuberculosis
3. Alzheimer’s Disease
4. Malaria
5. Diabetes

Choose the correct code:

- A. 1, 3 & 5 only
- B. 1, 4 & 5 only
- C. 2 & 4 only
- D. 1, 2, 4 & 5 only

34. Consider the following statements with regards to the Border Road Organization: (Level – Medium)

1. It works under the administrative control of the Ministry of Defence.
2. BRO only takes up projects within India.
3. BRO was conceived and raised in 1960 by Pandit Jawaharlal Nehru for coordinating the speedy development of a network of roads in the North and the North Eastern border regions of the country.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

35. India is an important member of the ‘International Thermonuclear Experimental Reactor’. If this experiment succeeds, what is the immediate advantage for India? (Level – Easy) PYQ (2016)

- A. It can use thorium in place of uranium for power generation
- B. It can attain a global role in satellite navigation
- C. It can drastically improve the efficiency of its fission reactors in power generation
- D. It can build fusion reactors for power generation

36. With respect to Human Development Index (HDI), which of the following statements is/are correct? (Level- Medium)

1. It is released by the United Nations Development Programme (UNDP)
2. The HDI measures average achievement of a country in three basic dimensions of human development — a long and healthy life, employment and a decent standard of living.

Options:

- A. 1 only
- B. 2 only
- C. Both
- D. None

37. Consider the following statements: (Level-Difficult)

1. The Delhi Durbar was held three times in 1897, 1903, and 1911.
2. The 1911 Delhi Durbar was organised to celebrate the coronation of King George V

3. George V was the only British monarch to attend the celebrations thrown in his honour in India.

Which of the statements given above is/are correct?

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

38. Which of the following statements is/are correct? (Level-Difficult)

- 1. Bhitarkanika National Park is designated as a Ramsar site
- 2. Bhitarkanika lies in the estuarine region of Brahmani-Baitarani rivers.
- 3. Bhitarkanika is the second largest viable mangrove ecosystem of India.
- 4. Bhitarkanika National Park is home to Saltwater crocodiles.

Options:

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

39. The Miyawaki Method is a well known technique to: (Level-Medium)

- A. Artificially breed prawns and shrimps
- B. Create dense forests
- C. Focus on Marine Pollution
- D. Produce crops through the natural process instead of using chemicals

40. Consider the following pairs: (Level-Difficult)

Reservoirs:	States
1. Ghataprabha:	Telangana
2. Gandhi Sagar:	Madhya Pradesh
3. Indira Sagar:	Andhra Pradesh
4. Maithon:	Chhattisgarh

How many pairs given above are not correctly matched?

- A. Only one pair
- B. Only two pairs
- C. Only three pairs
- d. All four pairs

41. Consider the following pairs: (Level-Difficult)

Drones	Country of Origin
1. MQ-9B	USA
2. Heron TP	France
3. SWITCH	Russia

How many pairs given above are correctly matched?

- A. Only one pair
- B. Only two pairs
- C. Only three pairs
- D. None

42. With respect to suspension of the Internet, which of the following statements is/are incorrect? (Level-Medium)

- 1. The Rules, issued under the Indian Telegraph Act, 1885, stipulate that only the Director General of Police (DGP) can pass such an order at the State Level.
- 2. Access to the Internet is a fundamental right under Article 19.

Options:

- A. 1 only
- B. 2 only
- C. Both
- D. None

43. Which of the following statements with respect to Subhash Chandra Bose is/are correct? (Level-Medium)

- 1. He was influenced by the teachings of Ramakrishna and his disciple Swami Vivekananda.
- 2. While Gandhi was anti-materialistic and hostile to modern technology, Bose saw technology and mass production as essential to survival and dignity.
- 3. Bose wanted a decentralised society.

Options:

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

44. With respect to All India Forward Bloc, which of the following statements is/are correct? (Level-Difficult)

- 1. It emerged in 1939 as a faction of the Indian National Congress (INC).
- 2. The objective was to bring the radical-left elements of INC together.

3. The initial committee of the Forward Bloc had Subhash Chandra Bose as president, Khurshed Nariman from Punjab as its vice-president.

Options:

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

45. With reference to Indian laws about wildlife protection, consider the following statements: (Level-Difficult) (UPSC Prelims-2022)

- 1. Wild animals are the sole property of the government.
- 2. When a wild animal is declared protected, such an animal is entitled to equal protection whether it is found in protected areas or outside.
- 3. Apprehension of a protected wild animal becoming a danger to human life is sufficient ground for its capture or killing.

Which of the statements given above is/are correct?

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

46. Consider the following statements with regards to Electric vehicles: (Level – Medium)

- 1. Hydrogen is a source of energy, and not an energy carrier.
- 2. A fuel cell converts chemical energy into electrical energy using oxidizing agents through an oxidation-reduction reaction.
- 3. Since fuel cell vehicles use electricity to run, they are considered EVs.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

47. Consider the following statements with respect to rubber and rubber plantations: (Level – Difficult)

- 1. Natural rubber is preferred over synthetic rubber due to its high tensile strength and vibration dampening properties, along with tear resistance.
- 2. According to FAOStat (Food and Agricultural Organisation Corporate Statistical Database) of 2019, Thailand is the largest Producer of Rubber in the World followed by Indonesia, Malaysia, India, China etc.
- 3. Karnataka is the largest producer of natural rubber in India.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

48. Consider the following statements with regards to the Cooperatives in India: (Level – Easy)

- 1. The Constitution (97th Amendment) Act, 2011 added a new Part IXB right after Part IXA (Municipals) regarding the cooperatives working in India.
- 2. The word “cooperatives” was added after “unions and associations” in Article 19(1)(c) under Part III of the Constitution.
- 3. A new Article 39B was added in the Directive Principles of State Policy (Part IV) regarding the “promotion of cooperative societies”.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

49. Consider the following statements with regards to the Jallianwala Bagh massacre: (Level – Easy)

- 1. Because of the massacre, Nobel laureate Rabindranath Tagore renounced the Nobel prize that he had received in 1913.
- 2. The then government of India ordered an investigation of the incident (the Hunter Commission), which in 1920 censured Dyer for his actions and ordered him to resign from the military.
- 3. The Rowlatt Act 1919 was passed on the recommendations of the Sedition Committee chaired by Sir Sidney Rowlatt.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

50. With reference to communication technologies, what is/are the difference/differences between LTE (Long Term Evolution) and VoLTE (Voice over Long-Term Evolution)? (Level – Easy) (CSE Prelims-2019)

- 1. LTE is commonly marketed as 3G and VoLTE is commonly marketed as advanced 3G.
- 2. LTE is data-only technology and VoLTE is voice-only technology

Select the correct answer using the code given below.

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

51. Which amongst the following statements is the best description of Project 17A? (Level-Difficult)

- A. The Project intends to build six diesel-electric attack submarines of the Kalvari class.
- B. The Project involves the development of seven advanced guided-missile frigates.
- C. It is a Project to procure a fleet of light tanks for deployment in high-altitude areas in eastern Ladakh
- D. Under the Project a series of eleven offshore patrol vessels are being built by Goa Shipyard Limited for the Indian Coast Guard.

52. Consider the following statements with respect to eligibility criteria for prospective adoptive parents: (Level-Difficult)

- 1. A single female/male can adopt a child of any gender
- 2. The age criteria for prospective adoptive parents shall not be applicable in case of relative adoptions and adoption by step-parent.
- 3. Couples with three or more children shall not be considered for adoption under all circumstances

Which of the statements given above is/are correct?

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

53. Which of the following statements with respect to Serious Fraud Investigation Office (SFIO) is/are correct? (Level-Medium)

- 1. If any case has been assigned by the Central Government to the SFIO for investigation under Companies Act, 2013 no other investigating agency of the Central Government or any State Government can proceed with investigation in such cases.
- 2. SFIO does not have the powers to arrest people for violations of companies law

Options:

- A. 1 only
- B. 2 only
- C. Both
- D. None

54. MAARG Portal recently seen in news (Level-Medium)

- A. Facilitates numerous services for the companies and LLPs, starting from incorporation of a company/LLP to closure of a company/LLP.
- B. Helps students seeking Education Loan.
- C. Provides a one-stop mentorship platform to facilitate mentorship for start-ups across diverse sectors, functions, stages, geographies, and backgrounds.
- D. Facilitates a single window solution to the farmers and stakeholders to disseminate the information about the Seed

55. With reference to the writs issued by the Courts in India, consider the following Statements: (Level-Medium) (UPSC CSE-2022)

- 1. Mandamus will not lie against a private organisation unless it is entrusted with a public duty.
- 2. Mandamus will not lie against a Company even though it may be a Government Company.
- 3. Any public minded person can be a petitioner to move the Court to obtain the writ of Quo Warranto.

Which of the statements given above are correct?

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

56. Which of the following national park/s has/have been identified for the Cheetah reintroduction project by the Indian Government? (Level – Medium)
1. Simlipal National Park
 2. Kuno National Park
 3. Panna National Park
 4. Ranthambore National Park
- Options:
- A. 1 and 4 only
 - B. 2 only
 - C. 2, 3 and 4 only
 - D. 1 and 3 only
57. Consider the following statements with respect to UN World Food Programme (WFP): (Level – Medium)
1. It was launched along with the Food and Agriculture Organisation (FAO) in 1945.
 2. FAO and WFP are both members of the United Nations Sustainable Development Group.
 3. It won the 2020 Nobel Prize for Peace, for its work in the field of combating hunger and 'its efforts to prevent the use of hunger as a weapon of war and conflict'.
- How many of these statements is/are correct?
- A. One statement only
 - B. Two statements only
 - C. All three statements
 - D. None of the above
58. In a Hydrogen Fuel Cell, which of the following is/are continuously replaced? (Level – Medium)
- A. Oxidiser
 - B. Hydrogen
 - C. Neither
 - D. Both
59. This breed of buffaloes is usually bred and preserved by a local community found in Kutch, called the 'Maldharis'. These buffaloes are well-adapted to survive extreme weather conditions such as water scarcity, frequent droughts, low humidity and high temperatures. Which of the following breeds is being talked about? (Level – Difficult)
- A. Kangayam
 - B. Murrah
 - C. Banni
 - D. Manda
60. The Service Area Approach was implemented under the purview of (Level – Difficult) PYQ-2019
- A. Integrated Rural Development Programme
 - B. Lead Bank Scheme
 - C. Mahatma Gandhi National Rural Employment Guarantee Scheme
 - D. National Skill Development Scheme
61. Consider the following statements about Exercise Kakadu. (Level – Medium)
1. It is a bilateral maritime exercise between the Indian and Australian Navies.
 2. The upcoming 2022 edition would be the first iteration under this exercise.
 3. It is being held in Australian maritime waters.
- Which of the above statements is/are correct?
- A. 1 and 2 only
 - B. 3 only
 - C. 1 and 3 only
 - D. 2 only
62. Consider the following statements about the National List of Essential Medicine (NLEM) 2022. (Level – Difficult)
1. This is the first ever such list being released in India.
 2. This list has been prepared based on the recommendations of the independent Standing National Committee on Medicines constituted by the Union Health Ministry.
 3. Vaccines included in the Universal Immunization Program are listed under the NLEM, 2022.
- Which of the above statements are correct?
- A. 1 and 2 only
 - B. 2 and 3 only
 - C. 1 and 3 only
 - D. 1, 2 and 3
63. 'SRIJAN Portal' is associated with which of the following? (Level – Medium)
- A. Financial empowerment of women
 - B. Registration portal for NGOs
 - C. Defence indigenization
 - D. Education loans and scholarships

64. Which of the following statements is/are correct with respect to Registered Unrecognized Political Parties (RUPPs). (Level – Medium)

1. The register of RUPPs is maintained by the Election Commission under section 29A of Representation of People Act, 1950.
2. The party must contest an election conducted by the Election Commission within five years of its registration and thereafter should continue to contest barring which it is liable to be taken off the list of registered parties.

Options:

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

65. In the context of which one of the following are the terms 'pyrolysis and plasma gasification' mentioned? (Level – Medium) (UPSC 2019)

- A. Extraction of rare earth elements
- B. Natural gas extraction technologies
- C. Hydrogen fuel-based automobiles
- D. Waste-to-energy technologies

66. Consider the following statements about Hoysaleswara temple of Halebid, Karnataka. (Level-Medium)

1. It is a UNESCO World Heritage Site.
2. The construction of the temple was sponsored by King Vishnuvardhana of the Hoysala Empire.
3. The major material used in its construction is soapstone.

Which of the above statements are correct?

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

67. Which of the following statements about Sir M. Visvesvaraya are correct? (Level-Difficult)

1. Being a civil engineer, he is credited with the development of notable dams, reservoirs, and hydropower projects in India and the invention of the block system in irrigation technology.
2. He served as the Dewan of Hyderabad under the Nizams.

3. Some of his notable literary works include 'Reconstructing India' and 'Planned Economy for India'.

Options:

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

68. Consider the following rivers. (Level-Medium)

1. Teesta
2. Feni
3. Kushiyara
4. Umngot

How many of the above rivers are transboundary rivers between India and Bangladesh?

- A. One river only
- B. Two rivers only
- C. Three rivers only
- D. All the four rivers

69. The Shoonya campaign of NITI Aayog deals with which of the following aspects? (Level-Difficult)

- A. Accelerating adoption of electric vehicles
- B. Addressing malnutrition in children
- C. Tackling the incidence of tuberculosis disease
- D. Reduction of plastic waste generation

70. With reference to Swadeshi Movement, consider the following statements: (Level- Medium)(CSE Prelims-2019)

1. It contributed to the revival of the indigenous artisan crafts and industries.
2. The National Council of Education was established as a part of the Swadeshi Movement.

Which of the statements given above is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

71. Consider the following statements with respect to Pradhan Mantri Awaas Yojana – Gramin (PMAY-G): (Level-Medium)
1. It is implemented by the Ministry of Housing.
 2. The identification of beneficiaries under PMAY-G is based on the housing deprivation parameters and exclusion criteria prescribed under Socio-Economic Caste Census (SECC)-2011.
 3. The cost of unit (house) assistance is to be shared between central and state governments in the ratio of 60:40 for all areas.
- Which of the statements given above is/are correct?
- A. 1 only
 - B. 2 only
 - C. 1 and 3 only
 - D. 2 and 3 only
72. Who among the following are considered as Tanjore Quartet? (Level-Difficult)
1. Chinnayya
 2. Nikaran
 3. Ponnayya
 4. Sendhaamarai
 5. Shivanandam
 6. Vadivelu
- Options:
- A. 1, 2, 3 and 4 only
 - B. 2, 3, 5 and 6 only
 - C. 1, 3, 5 and 6 only
 - D. 1, 2, 4 and 5 only
73. Many foreign travellers visited and left a valuable account of the Vijayanagar Empire. Who among the following did not visit the empire? (Level-Difficult)
- A. Abdur Razzaq
 - B. Domingo Paes
 - C. François Bernier
 - D. Niccolo De Conti
74. Nediyaathuruthu island recently seen in news is in the State/UT of (Level-Difficult)
- A. Karnataka
 - B. Kerala
 - C. Lakshadweep
 - D. Tamil Nadu
75. With reference to the Indian economy, consider the following statements: (Level-Difficult) (PYQ-2022)
1. A share of the household financial savings goes towards government borrowings.
 2. Dated securities issued at market-related rates in auctions form a large component of internal debt.
- Which of the above statements is/are correct?
- A. 1 only
 - B. 2 only
 - C. Both 1 and 2
 - D. Neither 1 nor 2
76. Samarkand declaration was recently signed by members of which grouping? (Level – Easy)
- A. Collective Security Treaty Organisation
 - B. Eastern Economic Forum
 - C. North Atlantic Treaty Organization (NATO)
 - D. Shanghai Cooperation Organization
77. Consider the following statements: (Level – Medium)
1. Land, that is to say, rights in or over land, falls under the concurrent list of the 7th schedule.
 2. Real Estate Regulatory Authorities (RERAs) are intended to perform the same role for property transactions as the SEBI does for security transactions in the capital markets.
- Which of the statements given above is/are correct?
- A. 1 only
 - B. 2 only
 - C. Both
 - D. None
78. Arrange the following from east to west: (Level – Difficult)
1. Ashgabat
 2. Astana
 3. Bishkek
 4. Dushanbe
- Options:
- A. 1-2-3-4
 - B. 2-4-1-3
 - C. 3-2-4-1
 - D. 4-2-1-3

79. Which of the following statements is/are incorrect? (Level – Difficult)

1. The greenhouse effect is an anthropogenic induced phenomenon that is responsible for heating of earth's surface and atmosphere.
2. Without the greenhouse effect, the average surface temperature would be -18 degrees Celsius.

Options:

- A. 1 only
- B. 2 only
- C. Both
- D. None

80. With reference to Ayushman Bharat Digital Mission, consider the following statements: (Level – Medium) PYQ (2022)

1. Private and public hospitals must adopt it.
2. As it aims to achieve universal health coverage, every citizen of India should be part of it ultimately.
3. It has seamless portability across the country.

Which of the statements given above is/are correct?

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

81. Consider the following statements with respect to Lokayuktas: (Level-Difficult)

1. The institution was first established in the state of Rajasthan
2. Judicial qualifications are prescribed for lokayukta in Bihar, Maharashtra and Rajasthan
3. In most of the states lokayukta can initiate investigation Suo moto

Which of the statements given above is/are correct?

- A. 1 and 2 only
- B. 3 only
- C. 1, 2 and 3
- D. None

82. With respect to the Ninth Schedule in the Indian Constitution, which of the following statements is/are correct? (Level-Medium)

1. This schedule was added by the 42nd Amendment by the Indira Gandhi Government to protect laws included in it from judicial scrutiny on the ground of violation of fundamental rights.
2. Even laws under the Ninth Schedule would be open to scrutiny if they violated fundamental rights or the basic structure of the Constitution

Options:

- A. 1 only
- B. 2 only
- C. Both
- D. None

83. Consider the following Pairs: (Level-Difficult)

Valley	State/UT
1. Betaab	Uttarakhand
2. Lidder	Sikkim
3. Pahalgam	J&K
4. Spiti	Himachal Pradesh

How many pairs given above are correctly matched?

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

84. Which of the following statements with respect to Sea cucumbers is/are correct? (Level-Difficult)

1. They are marine invertebrates that are found only in salt water.
2. Sea cucumber in India is listed under schedule I of Wildlife Protection Act of 1972.
3. Brown Sea Cucumber is listed as endangered by IUCN

Options:

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

85. Consider the following pairs: (Level-Difficult) (UPSC Prelims-2022)

Peak:	Mountains
1. Namcha Barwa	Garhwal Himalaya
2. Nanda Devi	Kumaon Himalaya
3. Nokrek	Sikkim Himalaya

Which of the pairs given above is/are correctly matched?

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

86. With reference to biodiversity, striped hairstreak, elusive prince, veined palmer and spotted yellow lancer are (Level-Difficult)

- A. Birds
- B. Butterflies
- C. Plants
- D. Fishes

87. Typhoon Nanmadol, recently in the news, has made landfall in which of the following country? (Level-Medium)

- A. Japan
- B. United States of America
- C. Maldives
- D. Philippines

88. Consider the following pairs of revolutions and associated countries (Level-Difficult)

Revolution	Associated country
1. Orange	Ukraine
2. Tulip	Kyrgyzstan
3. Jasmine	Tunisia
4. Lotus	Egypt

How many of the above pair/s is/are correctly matched?

- A. One pair only
- B. Two pairs only
- C. Three pairs only
- D. All the four pairs

89. Consider the following statements about Mission Innovation initiative (Level-Medium)

1. It is a global initiative aimed at catalysing action and investment in research, development and demonstration to make potable water accessible for all.
2. India is a part of this initiative

Which of the following statement/s is/are correct?

Options:

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

90. With reference to forced labour (Vishti) in India during the Gupta period, which one of the following statements is correct? (Level-Medium)

- A. It was considered a source of income for the state, a sort of tax paid by the people.
- b. It was totally absent in the Madhya Pradesh and Kathiawar regions of the Gupta Empire.
- c. The forced labourer was entitled to weekly wages.
- d. The eldest son of the labourer was sent as the forced labourer.

91. Consider the following statements with respect to millets:

1. They are photo-insensitive & resilient to climate change.
2. Anaemia, pellagra can be effectively tackled with millet consumption.
3. The Government of India declared 2020 – the National Year of Millets.
4. Millets can be cultivated in low-fertile land, rain-fed and mountainous areas.

How many of the given statements is/are incorrect?

- A. One statement only
- B. Two statements only
- C. Three statements only
- D. None of the above

92. Consider the following statements with respect to Ethereum:

1. Ethereum is a decentralised cryptocurrency.
2. Ethereum is the world's most valuable cryptocurrency.
3. Ethereum recently finalised 'the Merge' to cut down on its carbon footprint.

How many of the given statements is/are correct?

- A. One statement only
- B. Two statements only
- C. Three statements only
- D. None of the above

93. Which of the following countries border Kyrgyzstan?

1. Kazakhstan
2. Afghanistan
3. Uzbekistan
4. Tajikistan
5. China

Options:

- A. 1, 2, 3 and 4 only
- B. 1, 3, 4 and 5 only
- C. 3 and 4 only
- D. 1, 2, 3, 4 and 5

94. Consider the following statements with respect to Red Sanders:

1. It is endemic to the Eastern Ghats.
2. It is used in aromatherapy to reduce stress, hypertension and heals wounds and treats skin blemishes.
3. IUCN Red List classifies it as Endangered.
4. It is listed under Appendix II of CITES and is banned from international trade.

How many of the above statements is/are correct?

- A. Two statements only
- B. Three statements only
- C. All four statements
- D. None of the above

95. "Biorock technology" is talked about in which one of the following situations? (PYQ 2022)

- A. Restoration of damaged coral reefs
- B. Development of building materials using plant residues
- C. Identification of areas for exploration/extraction of shale gas
- D. Providing salt licks for wild animals in forests/protected areas

96. Consider the following statements with regards to La Nina: (Level – Easy)

1. In the Indian context, La Niña is associated with good rainfall during the monsoon season.
2. In Australia and Indonesia, and generally in the tropical regions, La Niña is expected to bring more rainfall.
3. La Niña's cooling influence is temporarily slowing the rise in global temperatures but it will not halt or reverse the long-term warming trend.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

97. Consider the following statements with respect to India's tribals: (Level – Medium)

1. The final decision to include a tribe in the Scheduled Tribe list rests with the President's office issuing a notification specifying the changes under powers vested in it from Article 341.
2. The inclusion or exclusion of any community in the Scheduled Tribes list comes into effect only after the President assents to a Bill that amends the Constitution (Scheduled Tribes) Order, 1950, after it is passed by both the Lok Sabha and Rajya Sabha.
3. A State government may choose to recommend certain communities for addition or subtraction from the list of SCs/STs based on its discretion.

Choose the correct code:

- A. One statement is correct
- B. Two statements are correct
- C. All statements are correct
- D. All statements are incorrect

98. Consider the following statements with regards to lumpy skin disease: (Level – Easy)

1. There are no specific antiviral drugs available for the treatment of lumpy skin disease.
2. Lumpy skin disease is primarily spread between animals by biting insects (vectors), such as mosquitoes and biting flies.
3. The disease is zoonotic, meaning it can spread from animals to humans as well.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

99. Consider the following statements with regards to Enforcement Directorate: (Level – Medium)

1. The Prevention of Money Laundering Act allows the ED to take cognizance of any offence under its wide-ranging schedule across the country, with the consent of state governments.
2. Following amendments in 2015 and 2018 in the PLMA, the ED was allowed to attach properties in India equivalent to properties acquired abroad through laundered money.
3. Under PMLA, the provision for bail stipulates that a magistrate will not grant bail to an accused unless he is convinced that prima facie no case is made out.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

100. As per the Solid Waste Management Rules, 2016 in India, which one of the following statements is correct? (Level – Difficult) PYQ (2019)

- A. Waste generator has to segregate waste into five categories.
- B. The Rules are applicable to notified urban local bodies, notified towns and all industrial townships only.
- C. The Rules provide for exact and elaborate criteria for the identification of sites for landfills and waste processing facilities.

D. It is mandatory on the part of waste generator that the waste generated in one district cannot be moved to another district.

101. Consider the following statements with regards to the proceedings in the judiciary: (Level – Difficult)

1. At present, no High Court in India provides live streaming of its proceedings.
2. On the day of former Chief Justice of India (CJI) NV Ramana's retirement, the Supreme Court streamed its proceedings live.
3. USA Supreme Court has rejected pleas for broadcast of its proceedings, but it allows audio recording and transcripts of oral arguments.

Choose the correct code:

- A. 2 & 3 only
- B. 1 only
- C. 1 & 3 only
- D. 3 only

102. Consider the following statements with respect to the death penalty in India: (Level – Difficult)

1. The Code of Criminal Procedure (CrPC) requires a judge to hear the accused after conviction on the question of sentence, and then pass the sentence on him according to law.
2. In 1980, the Supreme Court ruled in the 'Bachan Singh v State of Punjab' case that after the conviction, a separate sentencing hearing would be held, where a judge would be persuaded on why the death sentence need not be awarded.
3. In 'Dattaraya v State of Maharashtra', the Supreme Court commuted the death sentence to life imprisonment on the grounds that an adequate sentencing hearing was not held.

Choose the correct code:

- A. 3 only
- B. 1 & 2 only
- C. 2 only
- D. All of the above

103. 'Operation Octopus', 'Operation Double Bull' and 'Operation Thunderstorm' are related to which of the following? (Level – Medium)

- A. Evacuation of Indians from foreign nations
- B. Anti-naxal operations
- C. Raids conducted by ED
- D. Preservation of wildlife

104. Consider the following statements with regards to the UN charter: (Level – Difficult)
1. Since the UN's founding in 1945, the mission and work of the Organisation have been guided by the purposes and principles contained in its founding Charter, which has been amended three times in 1963, 1965, and 1973.
 2. The UN Charter codifies the major principles of international relations, from sovereign equality of States to the prohibition of the use of force in international relations.
 3. It was signed on 26 June 1945, in San Francisco, at the conclusion of the United Nations Conference on International Organisation, and came into force on 24 October 1945.
- Choose the correct code:
- A. 1 & 2 only
 - B. 2 & 3 only
 - C. 1 & 3 only
 - D. All of the above
105. In the context of which one of the following are the terms 'pyrolysis and plasma gasification' mentioned? (Level – Medium) (CSE Prelims-2019)
- A. Extraction of rare earth elements
 - B. Natural gas extraction technologies
 - C. Hydrogen fuel-based automobiles
 - D. Waste-to-energy technologies
106. Consider the following statements with regards to the Telecom Regulatory Authority of India: (Level – Medium)
1. The Telecom Regulatory Authority of India (TRAI) was established by the Telecom Regulatory Authority of India Act, 1997.
 2. The TRAI Act was amended in 2000 which established a Telecommunications Dispute Settlement and Appellate Tribunal (TDSAT) to take over the adjudicatory and disputes functions from TRAI.
 3. The TRAI consists of a Chairperson, two whole-time members and two part-time members, all of whom are appointed by the Government of India.
- Choose the correct code:
- A. 2 & 3 only
 - B. 1 only
 - C. 1 & 3 only
 - D. All of the above
107. The '1098 helpline number' in India is related to which of the following? (Level – Easy)
- A. Women rights
 - B. Children helpline
 - C. Minority welfare
 - D. Tribals helpline
108. Consider the following statements with regards to Nikah Halala: (Level – Medium)
1. In India, the Muslim Women's Protection of Rights on Marriage, passed after the invalidation of triple talaq by the Supreme Court, is silent on nikah halala.
 2. The Koran allows a man to divorce his wife a maximum of two times.
 3. In Saudi Arabia, where divorces are on the rise, the number of halala cases is increasing drastically.
- Choose the correct code:
- A. 1 & 2 only
 - B. 2 & 3 only
 - C. 1 & 3 only
 - D. All of the above
109. The Vineet Narain case of 1997 led to which of the following? (Level – Easy)
- A. Reforms in the CBI
 - B. Restoration of judicial review powers of the High Courts
 - C. Striking down of the EWS quota introduced by the Government
 - D. Prohibition on Manual Scavenging in India
110. Which of the following adopted a law on data protection and privacy for its citizens known as 'General Data Protection Regulation' in April 2016 and started implementation of it from 25th May, 2018? (Level – Medium) (CSE Prelims-2019)
- A. Australia
 - B. Canada
 - C. The European Union
 - D. The USA

111. Consider the following statements: (Level – Medium)
1. At present only those who belong to Hinduism, Sikhism, Jainism & Buddhism faiths are considered Scheduled Castes.
 2. A person belonging to a Scheduled Caste (SC) in a state will be deemed to be SC in another state to which he/ she migrates for the purpose of employment or education.
- Which of the statements given above is/are correct?
- A. 1 only
 - B. 2 only
 - C. Both
 - D. None
112. Sarda Act passed during the pre-independent period dealt with (Level – Easy)
- A. Child Marriage
 - B. Domestic Violence
 - C. Rights of inheritance
 - D. Special Marriage
113. With respect to Prohibition of Child Marriage Act, which of the following statements is/are correct? (Level – Difficult)
1. A “child” according to this act is a person who has not completed eighteen years of age.
 2. All child marriages under all circumstances are void according to the act.
- Options:
- A. 1 only
 - B. 2 only
 - C. Both
 - D. None
114. India’s first avalanche-monitoring radar was installed in the state/UT of (Level – Easy)
- A. Himachal Pradesh
 - B. Jammu and Kashmir
 - C. Sikkim
 - D. Uttarakhand
115. Which of the following statements is/are correct with respect to Pattachitra? (Level – Medium)
1. It is a picture painted on a piece of cloth.
 2. This form of art is closely related to the Manglagauri temple and its traditions in Bihar.
 3. The materials used in the paint are from vegetable, earth, and mineral sources.
- Options:
- A. 1 and 2 only
 - B. 2 and 3 only
 - C. 1 and 3 only
 - D. 1, 2 and 3
116. Consider the following statements with respect to Particularly Vulnerable Tribal Groups (PVTGs): (Level-Medium)
1. The Xaxa committee created Primitive Tribal Groups (PTGs) as a separate category, who are less developed among the tribal groups.
 2. Odisha has the highest number of PVTGs in India
- Which of the statements given above is/are correct?
- A. 1 only
 - B. 2 only
 - C. Both
 - D. None
117. Which amongst the following statements is the best description of Paris Club? (Level-Medium)
- A. An informal group of creditor nations focussed on dealing with borrower nations that face difficulty in paying back their loans.
 - B. A group of Countries have legally committed to reach net zero emissions by 2050.
 - C. An alliance of countries with the primary objective to work for efficient consumption of solar energy to reduce dependence on fossil fuels.
 - D. An informal group, comprising 40-odd member states, mostly middle-sized states who oppose bigger regional powers grabbing permanent seats.
118. With respect to Masala Bonds, which of the following statements is/are correct? (Level-Difficult)
1. They are rupee-denominated bonds. It is a debt instrument issued by an Indian entity in foreign markets to raise money
 2. The first Masala Bonds were issued by World Bank in 2014 to fund an infrastructure project in India

3. These bonds can only be issued to a resident of such a country which is a member of the Financial Action Task Force (FATF)

Options:

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

3. The Paliyan tribal people living in Tamil Nadu used it as a reference to calculate their age.

Options:

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

119. Consider the following Pairs: (Level-Difficult)

Mission	Planet
1. Cassini	Saturn
2. DAVINCI	Venus
3. Europa Clipper	Jupiter
4. InSight	Mars

How many pairs given above is/are correctly matched?

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

120. In the Government of India Act 1919, the functions of Provincial Government were divided into "Reserved" and "Transferred" subjects. Which of the following were treated as "Reserved" subjects? (Level-Difficult) (PYQ-2022)

- 1. Administration of Justice
- 2. Local Self-Government
- 3. Land Revenue
- 4. Police

Select the correct answer using the code given below:

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

121. Which of the following statements is/are correct with respect to Neelakurinji Flower (*Strobilanthes kunthiana*)? (Level-Difficult)

- 1. The flower has no smell, but has medicinal value and is used in treatment of Arthritis.
- 2. Some species of *Strobilanthes* are examples of a mass seeding phenomenon termed as masting, which is also seen in the bamboo species.

122. Arrange the following hills from North to South: (Level-Medium)

- 1. Javadi Hills
- 2. Nilgiri Hills
- 3. Anamalai Hills
- 4. Cardamom Hills

Options;

- A. 1-2-3-4
- B. 2-1-4-3
- C. 2-3-4-1
- D. 3-2-1-4

123. Mankading often seen in the news is related to which amongst the following Sports? (Level-Medium)

- A. Cricket
- B. Fencing
- C. Football
- D. Wrestling

124. Which of the following scripts is/was written from right to left? (Level-Difficult)

- 1. Gurmukhi
- 2. Kharosthi
- 3. Shahmukhi
- 4. Takri

Options:

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

125. With respect to Pallavas, which of the following statements is/are incorrect? (Level-Difficult)

1. Kanchipuram was the capital of the Pallavas
2. Shore Temple at Mahabalipuram and the Kanchi Kailasanathar Temple at Kanchipuram are famous temples that were constructed during the reign of Pallavas
3. Mahendravarman took control of Vatapi, the Chalukya capital and assumed the title 'Vatapikonda'.

Options:

- A. 1 and 2 only
- B. 2 and 3 only
- C. 3 only
- D. None

126. Which one of the following has been constituted under the Environment (Protection) Act, 1986? (Level-Difficult)(PYQ-2022)

- A. Central Water Commission
- B. Central Ground Water Board
- C. Central Ground Water Authority
- D. National Water Development Agency

127. With reference to India, consider the following statements: (Level – Difficult) PYQ (2022)

1. Monazite is a source of rare earths.
2. Monazite contains thorium.
3. Monazite occurs naturally in the entire Indian coastal sands in India.
4. In India, Government bodies only can process or export monazite.

Which of the statements given above are correct?

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

128. Consider the following statements about the Double Asteroid Redirection Test (DART) Mission. (Level – Medium)

1. It is a project headed by the European Space Agency.
2. The mission involves crashing the spacecraft into the Didymos asteroid.

Which of the above statements is/are correct?

- A. 1 only
- B. 2 only
- C. Both 1 and 2
- D. Neither 1 nor 2

129. The recently unveiled 'Dharamshala Declaration' is associated with which of the following aspects? (Level – Difficult)

- A. Disaster Management
- B. Climate Change
- C. Tourism
- D. Sports

130. Consider the following statements about La Nina. (Level – Medium)

1. La Nina refers to the El Nino Southern Oscillation (ENSO) phase in which sea-surface temperatures are warmer than normal.
2. In the Indian context, La Nina is associated with good rainfall during the monsoon season.
3. The 'triple dip' La Nina being witnessed currently is the first such instance in recorded history and could be attributable to global warming and climate change.

How many of the above statements is/are correct?

- A. One statement only
- B. Two statements only
- C. All three statements
- D. None of the statements

131. Which of the following statements about Organization for Economic Cooperation and Development (OECD) is/are correct? (Level – Medium)

1. It is an intergovernmental organization of which India is a founding member and with an objective to stimulate economic progress and world trade.
2. The World Economic Outlook is a flagship publication of the organization.

Options:

- A. 1 only
- B. 2 only
- C. Both the statements
- D. Neither of the statements

132. Which one of the following National Parks lies completely in the temperate alpine zone? (Level – Difficult) PYQ (2019)
- Manas National Park
 - Namdapha National Park
 - Neora Valley National Park
 - Valley of Flowers National Park
133. Consider the following statements with regards to the appointment of High Court judges in India: (Level – Medium)
- Article 217 of the Constitution states that the Judge of a High Court shall be appointed by the President in consultation with the Chief Justice of India (CJI), the Governor of the State.
 - High Court judges are recommended by a Collegium comprising the CJI and two senior-most judges.
 - The Government have, in consultation with the Chief Justice of India, decided as a matter of policy to appoint the Chief Justice of all High Courts from outside the respective state.
- Choose the correct code:
- Only one of the given statements is correct.
 - Only two of the given statements are correct.
 - All the given statements are correct.
 - None of the above statements is correct.
134. Consider the following statements with regards to Dadasaheb Phalke Award: (Level – Difficult)
- Dadasaheb Phalke Award was introduced by the government in 1969 and it was awarded for the first time to Devika Rani, “the first lady of Indian cinema”.
 - Dadasaheb Phalke played the main lead in India’s first feature film Raja Harischandra.
 - Actors Prithviraj Kapoor and Vinod Khanna are the only posthumous recipients of the award.
- Choose the correct code:
- 1 & 3 only
 - 2 only
 - 1 only
 - All of the above
135. Consider the following statements with regards to the forests in India: (Level – Medium)
- In India, entry into forests is governed by two laws — The Indian Forest Act, 1927, and the Wildlife Protection Act, 1972.
 - The Wildlife Protection Act empowers the Chief Wildlife Warden of a state to frame laws for tourists entering Protected Areas — sanctuaries and national parks.
 - Night safari in wildlife sanctuaries is prohibited in India.
- Choose the correct code:
- 1 & 2 only
 - 2 & 3 only
 - 1 & 3 only
 - All of the above
136. Consider the following statements: (Level – Easy)
- Warmer oceans make stronger storms.
 - More than 90% of the excess heat from human-caused global warming over the past 50 years has been absorbed by the oceans.
 - Higher surface temperatures allow hurricanes to reach higher levels of maximum sustained wind.
- Choose the correct code:
- 1 only
 - 3 only
 - 1 & 3 only
 - All of the above
137. In a given year in India, official poverty lines are higher in some States than in others because (Level – Medium) PYQ (2019)
- Poverty rates vary from State to State
 - Price levels vary from State to State
 - Gross State Product varies from State to State
 - Quality of public distribution varies from State to State
138. Consider the following statements with regards to Attorney General of India: (Level – Easy)
- The Attorney General (AG) of India is a part of the Union Executive.
 - Procedures and grounds for the removal of AG are not stated in the Constitution.
 - The AG is debarred from private legal practice.

Choose the correct code:

- A. 1 & 2 only
- B. 1 only
- C. 2 & 3 only
- D. All of the above

139. Consider the following statements with regards to the tenth schedule of the Indian Constitution: (Level – Easy)

1. Rajiv Gandhi was the Prime Minister of India when this schedule became a part of the Indian Constitution.
2. The law does not provide a timeframe within which the presiding officer has to decide a defection case.
3. The members disqualified under the law can't stand for re-election from the same seat they were representing before the disqualification.

Choose the correct code:

- A. 1 & 3 only
- B. 2 only
- C. 1 & 2 only
- D. All of the above

140. Consider the following statements with regards to the Chief of Defence Staff in India: (Level – Medium)

1. CDS enjoys the rank of Secretary within the Department of Military Affairs.
2. Retired service chiefs are not eligible to hold this position.
3. The retirement age for the post of CDS is 65 years.

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

141. Which of the following is the motto of the 2022 Indian National Games? (Level – Difficult)

- A. Get Set Play
- B. Kheloge Kudoge banoge Lajawaab
- C. Celebrating Unity through sports
- D. Faster, Higher, Stronger – Together

142. The Service Area Approach was implemented under the purview of (Level– Difficult) (PYQ-2019)

- A. Integrated Rural Development Programme
- B. Lead Bank Scheme
- C. Mahatma Gandhi National Rural Employment Guarantee Scheme
- D. National Skill Development Mission

143. Consider the following statements with regards to IMEI (International Mobile Equipment Identity) number: (Level – Medium)

1. Every phone or mobile broadband device has this unique 13-digit code that precisely identifies the device.
2. Mobile phone manufacturers assign IMEI numbers to each device based on ranges allotted to them by the Global System for Mobile Communications Association.
3. Dual SIM phones will have two IMEI numbers.

Choose the correct code:

- A. 1 & 2 only
- B. 1 only
- C. 2 & 3 only
- D. All of the above

144. Consider the following statements with regards to the Pacific Island countries: (Level – Difficult)

1. The Pacific Island Countries are a cluster of 14 states which are located largely in the tropical zone of the Pacific Ocean between Asia, Australia and the Americas.
2. Some of them have Exclusive Economic Zones larger than that of India.
3. Some of the major nuclear weapon test sites of the U.S., the U.K. and France were located here due to the remoteness of these islands from the Soviet Union and major population centres of the world.

Choose the correct code:

- A. 1 & 3 only
- B. 2 only
- C. 1 & 2 only
- D. All of the above

145. Consider the following statements with regards to the Small Savings Schemes:(Level – Medium)

1. Interest rates on small savings schemes are reset on a quarterly basis, in line with the movement in benchmark government bonds of similar maturity.
2. The interest earned by the depositors is linked to the market.
3. Collections from all small savings instruments are credited to the National Small Savings Fund (NSSF).

Choose the correct code:

- A. 1 & 2 only
- B. 2 & 3 only
- C. 1 & 3 only
- D. All of the above

146. Consider the following actions which the Government can take to reduce the Current Account Deficit: (Level – Easy)

1. Devaluing the domestic currency.
2. Reduction in the export subsidy.

3. Adopting suitable policies which attract greater FDI and more funds from FIIs.

Choose the correct code:

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

147. Recently, India signed a deal known as 'Action Plan for Prioritization and Implementation of Cooperation Areas in the Nuclear Field' with which of the following countries? (Level – Medium)

- A. Japan
- B. Russia
- C. The United Kingdom
- D. The United States of America

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केन्द्र CENTRE	विषय SUBJECT	विषय कोड S. CODE	अनुक्रमांक ROLL NUMBER
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पुस्तिका सिरीज BOOKLET SERIES	विषय SUBJECT	अनुक्रमांक ROLL NUMBER
(A)	00	00000000
	11	11111111
(B)	22	22222222
	33	33333333
(C)	44	44444444
	55	55555555
(D)	66	66666666
	77	77777777
	88	88888888
	99	99999999

<p>निर्देश : DIRECTIONS:</p> <p>केवल काला बाल प्वाइंट पेन इस्तेमाल करें </p> <p>USE BLACK BALL POINT PEN ONLY</p> <p>उदाहरण EXAMPLE a b c d</p> <p>निरीक्षक पुस्तिका सिरीज काला बाल प्वाइंट पेन से कूटबद्ध करें</p> <p>BOOKLET SERIES to be coded by Invigilator with Black Ball Point Pen a b c d</p> <p>निरीक्षक काला बाल प्वाइंट पेन से आशक्षर करें</p> <p>Invigilator in Black Ball Point Pen</p>	1 a b c d	41 a b c d	81 a b c d	121 a b c d
	2 a b c d	42 a b c d	82 a b c d	122 a b c d
	3 a b c d	43 a b c d	83 a b c d	123 a b c d
	4 a b c d	44 a b c d	84 a b c d	124 a b c d
	5 a b c d	45 a b c d	85 a b c d	125 a b c d
	6 a b c d	46 a b c d	86 a b c d	126 a b c d
	7 a b c d	47 a b c d	87 a b c d	127 a b c d
	8 a b c d	48 a b c d	88 a b c d	128 a b c d
	9 a b c d	49 a b c d	89 a b c d	129 a b c d
	10 a b c d	50 a b c d	90 a b c d	130 a b c d
	11 a b c d	51 a b c d	91 a b c d	131 a b c d
	12 a b c d	52 a b c d	92 a b c d	132 a b c d
	13 a b c d	53 a b c d	93 a b c d	133 a b c d
	14 a b c d	54 a b c d	94 a b c d	134 a b c d
	15 a b c d	55 a b c d	95 a b c d	135 a b c d
	16 a b c d	56 a b c d	96 a b c d	136 a b c d
	17 a b c d	57 a b c d	97 a b c d	137 a b c d
	18 a b c d	58 a b c d	98 a b c d	138 a b c d
	19 a b c d	59 a b c d	99 a b c d	139 a b c d
	20 a b c d	60 a b c d	100 a b c d	140 a b c d
	21 a b c d	61 a b c d	101 a b c d	141 a b c d
	22 a b c d	62 a b c d	102 a b c d	142 a b c d
	23 a b c d	63 a b c d	103 a b c d	143 a b c d
	24 a b c d	64 a b c d	104 a b c d	144 a b c d
	25 a b c d	65 a b c d	105 a b c d	145 a b c d
	26 a b c d	66 a b c d	106 a b c d	146 a b c d
	27 a b c d	67 a b c d	107 a b c d	147 a b c d
	28 a b c d	68 a b c d	108 a b c d	148 a b c d
	29 a b c d	69 a b c d	109 a b c d	149 a b c d
	30 a b c d	70 a b c d	110 a b c d	150 a b c d
	31 a b c d	71 a b c d	111 a b c d	151 a b c d
	32 a b c d	72 a b c d	112 a b c d	152 a b c d
	33 a b c d	73 a b c d	113 a b c d	153 a b c d
	34 a b c d	74 a b c d	114 a b c d	154 a b c d
	35 a b c d	75 a b c d	115 a b c d	155 a b c d
	36 a b c d	76 a b c d	116 a b c d	156 a b c d
	37 a b c d	77 a b c d	117 a b c d	157 a b c d
	38 a b c d	78 a b c d	118 a b c d	158 a b c d
	39 a b c d	79 a b c d	119 a b c d	159 a b c d
	40 a b c d	80 a b c d	120 a b c d	160 a b c d

कृपय इस जगह पर कोई निशान न लगायें
PLEASE DO NOT MAKE ANY MARKS IN THIS AREA

ANSWER KEYS

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40	C

[CLICK HERE TO READ EXPLANATION](#)

41	A
42	A
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48	A
49	B
50	D
51	B
52	C
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81	B
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113	D
114	C
115	C
116	B
117	A
118	D
119	D
120	C

[CLICK HERE TO READ EXPLANATION](#)

121	B
122	A
123	A
124	C
125	C
126	C
127	B
128	D
129	C
130	A
131	D
132	D
133	C
134	A
135	A
136	D
137	B
138	A
139	C
140	C

141	C
142	B
143	C
144	D
145	C
146	D
147	B

[CLICK HERE TO READ EXPLANATION](#)

EXPLANATION FOR THE PRELIMS QUESTIONS

Q1.

- Cri-MAC is an online platform meant to share information and coordinate action among law enforcement agencies on serious criminal incidents, including human trafficking 24x7.
- It was launched in 2020 by the Union Ministry of Home Affairs.

Q2.

- The Collective Security Treaty Organization (CSTO) is an intergovernmental military alliance (six countries) that came into effect in 2002.
- Its origin can be traced to the Collective Security Treaty, 1992 (Tashkent Treaty).
- The headquarters is located in the Russian capital of Moscow.



Image Source: Word press

Q3.

- Cervavac is India's first indigenously developed quadrivalent human papillomavirus (qHPV) vaccine for the prevention of cervical cancer.
- Nearly all cases of cervical cancer can be attributed to HPV infection. Although most HPV infections clear up on their own and most pre-cancerous lesions resolve spontaneously, there is a risk for all women that HPV infection may become chronic and pre-cancerous lesions progress to invasive cervical cancer.
- It is developed by the Serum Institute of India in coordination with the Government of India's Department of Biotechnology (DBT) and was approved by the Drug Controller General of India in July 2022.

Q4.

- Rashtriya Vayoshri Yojana is a scheme for providing Physical Aids and Assisted-living Devices for Senior citizens belonging to the BPL category.
- This is a Central Sector Scheme, fully funded by the Central Government.
- The expenditure for implementation of the scheme will be met by the "Senior Citizens' Welfare Fund".
- The Scheme will be implemented through the sole implementing agency – Artificial Limbs Manufacturing Corporation (ALIMCO), a PSU under the Ministry of Social Justice and Empowerment.

Q5.

- The Covishield vaccine by the Serum Institute of India was prepared using the viral vector platform. In the vaccine, a chimpanzee adenovirus – ChAdOx1 – has been modified to enable it to carry the COVID-19 spike protein into the cells of humans.
- Sputnik V, the world's first registered vaccine, is based on the human adenoviral vector-based platform.
- Covaxin is an inactivated viral vaccine. It is developed with Whole-Virion Inactivated Vero Cell-derived technology.

Q6.

- Statement 1 is not correct, Lumpy skin disease (LSD) is a viral disease caused by the Capripox virus of the Poxviridae family which is also called the Neethling virus.
- Statement 2 is correct, Vaccination against LSD is covered under the Livestock Health and Disease Control Programme of India
- Statement 3 is correct, Lumpy skin disease was first reported as an epidemic in Africa (Zambia) in 1929.

Q7.

- Statement 1 is correct, At present, six languages enjoy the "Classical Language" status: Tamil (declared in 2004), Sanskrit (2005), Kannada (2008), Telugu (2008), Malayalam (2013), and Odia (2014)
- Statement 2 is not correct, In 1950, when the Constitution of India came into effect, it envisaged that English would be phased out in favour of Hindi over a period of 15 years
- Statement 3 is correct, The 8th schedule of the Indian constitution lists a total of 22 languages.

Q8.

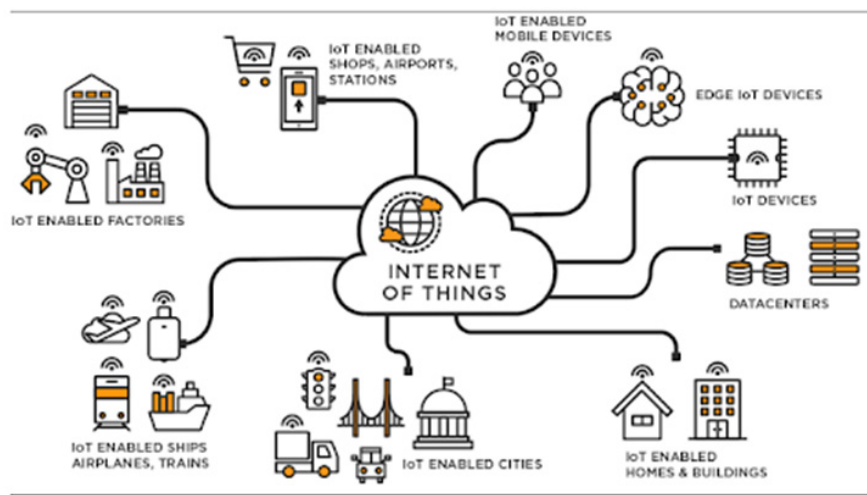
- Chakmas are predominantly Buddhists.
- The Chakmas are migrants from the Chittagong Hill Tracts of erstwhile East Pakistan, now Bangladesh.
- They were displaced in the 1960s by the Kaptai dam on the Karnaphuli River and sought asylum in India.
- A large chunk of these migrants was settled in relief camps in the southern and south-eastern parts of Arunachal Pradesh from 1964 to 1969. A rehabilitation plan was formulated, and land and financial aid were provided depending on the size of their families.

Q9.

- SCO – only one common member (India)
- ASEAN – no common members
- G7 – two common members (the U.S. and Japan)
- UNSC permanent members – only one common member (the U.S.)

Q10.

- The Internet of things (IoT) is the interlinking of digital devices, people, machines, appliances, and other objects with one another through wireless networks.
- IoT allows machines and people to be connected to each other and communicate as well.



Q11.

- Statement 01 is correct, NALSA is a statutory body constituted under the Legal Services Authorities Act of 1987 to create a nationwide network uniform in nature that would provide competent legal services to the weaker sections of the society at no cost. The Authority came into force only in November 1995.
- Statement 02 is correct, The Patron-in-chief is the Chief Justice of India. The Executive Chairman of the Authority is the second senior-most judge of the SC.
- Statement 03 is incorrect, the President of India appoints the Executive Chairman of the NALSA.

Q12.

- Pair 01 is correctly matched, Bina Das was an Indian revolutionary and nationalist from West Bengal. She was a member of Chhatri Sangha, a semi-revolutionary organisation for women in Kolkata. On 6 February 1932, she attempted to assassinate the Bengal Governor Stanley Jackson, in the Convocation Hall of the University of Calcutta.
- Pair 02 is correctly matched, Lila Nag was a Indian woman politician and reformer, and a close associate of Netaji Subhash Chandra Bose. She was the first female student of Dhaka University. In 1925 she joined the Sri Sangha, a revolutionary society of Dacca.

- Pair 03 is correctly matched, Kalpana Dutt was amongst the initial members of the armed independence movement led by prominent Bengali revolutionary, Surya Sen. She was arrested and brought to trial in what was known as the Chittagong Armoury Raid Supplementary Case, in which she was sentenced for life. After the nationwide campaign for the release of the imprisoned Bengal revolutionaries, she came out of prison in 1939.
- Pair 04 is correctly matched, Nalini Bala Devi was an Indian writer and poet of Assamese literature, known for nationalistic as well as mystical poetry. She joined the Jugantar Party led by her nephew, Amarendranath Chattopadhyay. Nalini was the first and only woman to be tortured by the police under the Regulation III of 1818. She also became the Calcutta jail's first woman prisoner.

Q13.

- Quantum computing is a form of computing which employs technology based on quantum theory.
- Quantum theory explains the behaviour of energy and material on the atomic and subatomic levels.
- Employment of quantum theory will make sure computers work far beyond their binary code, as in they can only process information in bits that take the value of 1 or 0, restricting their ability in the process.
- All the above mentioned options are possible applications of Quantum Computing

Read more on Quantum Computing**Q14.**

- The Union ministry of Science and Technology has undertaken to set up India's first-ever Night Sky Sanctuary in Ladakh.
- The proposed Dark Sky Reserve will be located at Hanle in Ladakh as a part of Changthang Wildlife Sanctuary.
- It will boost Astro tourism in India and will be one of the world's highest-located sites for optical, infrared, and gamma-ray telescopes.

Q15.

- The term 'liberty' means the absence of restraints on the activities of individuals, and at the same time, providing opportunities for the development of individual personalities within the limitations mentioned in the Constitution itself. Hence the most appropriate definition of liberty is to provide opportunity to develop oneself fully.

Q16.

- Statement 01 is correct, Himalayan Chandra Telescope is a 2-m diameter optical-infrared Telescope at the Indian Astronomical Observatory (IAO), Mt. Saraswati, Hanle, Ladakh
 - o It is located at an altitude of 4500 m above mean sea level.
 - o It is operated by the Indian Institute of Astrophysics (IIA), Bangalore.
- Statement 02 is correct, The Major Atmospheric Cherenkov Experiment Telescope (MACE) is India's largest and the world's highest gamma-ray telescope in Hanle, Ladakh.
- Statement 03 is incorrect, The Union ministry of Science and Technology has undertaken to set up India's first-ever Night Sky Sanctuary in Ladakh.
- The proposed Dark Sky Reserve will be located at Hanle in Ladakh as a part of Changthang Wildlife Sanctuary.

Q17.

- Martand Sun temple is a 8th century temple recognised as a “Site of national importance” by Archaeological Survey of India located in Jammu and Kashmir.
- According to Kalhana in his Rajatarangini, the Martand Sun Temple was commissioned by Lalitaditya Muktapida of Karkota dynasty dedicated to Lord Shiva.
- It was an excellent specimen of Kashmiri architecture, which had blended the Gandharan, Gupta and Chinese forms of architecture.
- It was destroyed during the rule of Sikandar Shah Miri between 1389 and 1413.



Image Source: Wikipedia

Q18.

- A new fund offer (NFO) is the first time subscription offer for a new scheme launched by the asset management companies (AMCs).
- It is launched in the market to raise capital from the public in order to buy securities like shares, govt. bonds etc. from the market.
- It is similar to the initial public offer (IPO) with an attempt to raise capital from the market.
- NFOs are offered for a stipulated period.

Q19.

- Kurki means attachment of a farmer's land, already pledged to the money lending institution or individual, in case of a loan default.
- Apart from banks, private moneylenders, commission agents also get these decrees against farmers from time to time.
- Kurki orders are executed under Section 60 of Civil Procedure Code, 1908.

Q20.

- Pair 01 is correctly matched, Eripatti was Tank lands i.e land donated by individuals, the revenue from which was set apart for the maintenance of the village tank.
- Pair 02 is incorrectly matched, Taniyurs was a large village and were distinct revenue units under Cholas. Villages donated to a single Brahmin or a group of Brahmins were called Brahmadeya.
- Pair 03 is correctly matched, A Ghatika was a center of learning including religion smaller in size compared to Agrahara. Ghatikas were institutions mostly attached to temples.

Q21.

- Statement 1 is not correct, Ramappa Temple, also known as the Rudreshwara temple, is a Hindu temple dedicated to God Shiva.
- o The temple is named after its architect – Ramappa.
- Statement 2 is correct, It is an example of Kakatiya architecture built around 1213 AD by a Kakatiya general Recharla Rudra under Ganapati Deva.
- Statement 3 is correct, The temple was accorded the status of a UNESCO World Heritage Site in 2021.

Q22.

- Hilsa fish is a very popular fish in the Indian Subcontinent and is the national fish of Bangladesh and the state fish of West Bengal.
- Bangladesh is the largest producer of Hilsa and makes a good profit through exports to India. Bangladesh has used Hilsa diplomacy to bridge ties between the two nations.

Q23.

- A Dark Sky Reserve is public or private land with a distinguished nocturnal environment and starry nights that has been developed responsibly to prevent light pollution.
- India will establish the country's first Dark Sky Reserve in the cold desert regions of Ladakh.
- The key objectives of the Dark Sky Reserves are to:
 - o Promote astronomy tourism in a sustainable and environment-friendly manner
 - o Facilitate astronomical observations
 - o Protect nocturnal species which rely on darkness to hunt and forage
 - o Use of various scientific methods to preserve the night sky from ever-increasing light pollution

Q24.

- Statement 1 is correct, PM Schools for Rising India (PM-SHRI) is a new centrally sponsored scheme.
- Statement 2 is correct, Under the scheme, over 14,500 schools across states and Union Territories will be redeveloped to reflect the key features of the NEP, 2020.
 - o These schools will be equipped with modern infrastructure such as labs, smart classrooms, libraries, sports equipment, art room, etc.
 - o These schools will also be developed as green schools with water conservation, waste recycling, energy-efficient infrastructure and integration of an organic lifestyle in the curriculum.
- Statement 3 is correct, PM SHRI schools will also "offer mentorship" to other schools in their vicinity.

Q25.

- The Munda rebellion is also known as 'Ulgulan' or 'the Great Tumult' which was led by Birsa Munda.
- The main rebellion took place in the region south of Ranchi in 1899-1900.
- The word Ulgulan means 'Great Tumult' and the rebellion sought to establish the rights of the indigenous people over their resources which were being snatched away from them by landlords and money lenders.

Q26.

- Statement 1 is not correct, Bharat Biotech's COVID-19 recombinant nasal vaccine has been approved by the Ministry of Health's Central Drugs Standard Control Organisation for primary immunisation of those aged 18 years and above in emergency situations.
- Statement 2 is correct, Nasal vaccines aim to overcome potential difficulties with mass vaccination and reduce the cost by doing away with the need for needles and syringes.
- Statement 3 is correct, According to experts, there is very little evidence to back the effectiveness of this route of delivery so far and, save for some flu vaccines, attempts to deliver vaccines like this have not been successful.

Q27.

- Statement 1 is correct, Sutlej-Yamuna Link (SYL) Canal once complete will help in sharing the waters of the rivers Ravi and Beas between the states of Punjab and Haryana.
- Statement 2 is correct, The construction of the SYL Canal was launched in April 1982 by then Prime Minister Indira Gandhi in Kapoori village in the Patiala district of Punjab.
- Statement 3 is correct, Water resources are under the State List, while the Parliament has the power to make laws regarding inter-state rivers under the Union List.

Q28.

- In the Shreya Singhal case, 2015, Supreme Court had declared Section 66A of the IT Act, which made the online posting of information considered "grossly offensive" a crime punishable by jail, as being violative of Article 19(1)(a) of the Constitution and not saved under the ambit of reasonable restrictions defined in Article 19(2).
- The Supreme Court had held that the expressions used in Section 66A were open-ended, undefined and therefore arbitrary.

Q29.

- Statement 1 is correct, Maharaja Ramanuj Pratap Singh Deo of Korla in the present day Chhattisgarh is widely believed to have killed the last three recorded cheetahs in India in 1947.
- Statement 2 is correct, Cheetah was declared extinct from India in 1952.
- Statement 3 is not correct, Under the intercontinental cheetah translocation project at the Kuno National Park in Madhya Pradesh, eight cheetahs are being brought from Namibia.

Q30.

- Statement 1 is correct, Global warming might cause the melting of ice triggering the release of methane gas from these deposits and has a significant impact on climate change.
- Statement 2 is correct, Large deposits of 'methane hydrate' are found in Arctic Tundra and under the seafloor.
- Statement 3 is correct, Methane in the atmosphere oxidizes to carbon dioxide after a decade or two

Q31.

- Statement 1 is correct, The National Clean Air Programme (NCAP) is a pollution control initiative with the aim to cut the concentration of coarse (particulate matter of diameter 10 micrometer or less, or PM10) and fine particles (particulate matter of diameter 2.5 micrometer or less, or PM2.5) by 20% – 30% by 2024, with 2017 as the base year for comparison.
- Statement 2 is correct, NCAP was launched by the Ministry of Environment, Forests and Climate Change in January 2019.
- Statement 3 is correct, It includes 123 non-attainment cities across the country based on the 2014-2018 Air Quality data since these cities did not meet the National Ambient Air Quality Standards for these 5 straight years.

Q32.

- Statement 1 is correct, Owing to political differences, Subhash Chandra Bose resigned from the Congress Presidentship in 1939 and organised the All India Forward Bloc which was a faction within the Congress in Bengal.
- Statement 2 is not correct, On 21st October 1943, Subhash Chandra Bose announced the formation of the Provisional Government of Azad Hind (free India) in Singapore.
- Statement 3 is correct, The INA was first formed under Mohan Singh and Japanese Major Iwaichi Fujiwara and comprised Indian prisoners of war of the British-Indian Army captured by Japan in the Malayan (present-day Malaysia) campaign and at Singapore.

Q33.

- Non-communicable diseases are a diverse group of chronic diseases that do not spread from one person to another.
- Cancer, Alzheimer's Disease and Diabetes are all Non-communicable diseases.
- Tuberculosis caused due to Mycobacterium tuberculosis and Malaria caused due to plasmodium parasites are examples for communicable diseases.

Q34.

- Statement 1 is correct, Initially, BRO was functional under the Ministry of Road Transport and Highways. But since 2015, it is being managed and is functional under the Ministry of Defence
- Statement 2 is not correct, The BRO undertakes projects in India and also in friendly countries.
- Statement 3 is correct, BRO was conceived and raised in 1960 by Pandit Jawaharlal Nehru for coordinating the speedy development of a network of roads in the North and the North Eastern border regions of the country.

Q35.

- International Thermonuclear Experimental Reactor (ITER) is a nuclear fusion power plant.
- The seven members are: European Union (EU), India, China, Japan, Russia, South Korea and the US
- If this experiment succeeds, the immediate advantage of India is it can build fusion reactors for power generation.

Q36.

- Statement 01 is correct, The Human Development Index is part of the Human Development Report 2021-2022 released by the UNDP.
- Statement 02 is incorrect, The HDI measures the average achievement of a country in three basic dimensions of human development calculated using four indicators
 - o A long and healthy life – calculated based on ‘life expectancy at birth’.
 - o Education – based on ‘mean years of schooling’ and ‘expected years of schooling’.
 - o A decent standard of living based on ‘Gross National Income (GNI) per capita’.

Q37.

- Statement 01 is incorrect, The Delhi Durbar was an Indian imperial-style mass assembly organised by the British to mark the succession of an Emperor or Empress of India.
 - o Also known as the Imperial Durbar, it was held three times, in 1877, 1903, and 1911.
- Statement 02 is correct, The 1911 Delhi Durbar was organised to celebrate the coronation of King George V and Queen Mary in June of that year in London, Great Britain, to commemorate the historic moment.
- Statement 03 is correct, The 1911 Durbar was the only one that a sovereign, George V, attended.

Q38.

- Bhitarkanika National Park is a large national park in northeast Kendrapara district of Odisha in eastern India. Bhitarkanika is the second-largest Mangrove ecosystem in India.
- It is the breeding place for the endangered saltwater crocodiles.
- It obtained the status of a Ramsar site on August 19, 2002.
- It lies in the estuarial region of Brahmani-Baitarani with the Bay of Bengal lying in the East

Q39.

- Miyawaki is an afforestation method based on the work of Japanese botanist Akira Miyawaki in the 1980s.
- This unique method is used worldwide for urban afforestation by growing a forest in someone’s backyard.

Q40.

- Pair 01 is incorrectly matched, The Ghataprabha Reservoir is located in Belagavi, Karnataka. The Ghataprabha River is a major tributary of the River Krishna.
- Pair 02 is correctly matched, The Gandhi Sagar Dam is one of the four major dams built on the Chambal River. It is a masonry dam located in Mandsaur, Madhya Pradesh.
- Pair 03 is incorrectly matched, The Indira Sagar Dam is the largest dam in India, in terms of volume of water stored in the reservoir. It is located on the Narmada River in Madhya Pradesh.
- Pair 04 is incorrectly matched, Maithon dam is located on the banks of river Barakar in Dhanbad, Jharkhand. The dam with an underground power station is one of its kind in the whole of Southeast Asia.

Q41.

- Pair 01 is correctly matched, The MQ-9B drone is a variant of the MQ-9 “Reaper” which was used to launch a modified version of the Hellfire missile. India is in an “advanced stage” of negotiations with the U.S. to procure 30 MQ-9B Predator armed drones for over \$3 billion.
- Pair 02 is incorrectly matched, The IAI Eitan is an unmanned reconnaissance aircraft developed in Israel in the early 21st century by the Malat division of Israel Aerospace Industries. The aircraft is a newer version of the IAI Heron.
- Pair 03 is incorrectly matched, SWITCH UAV is an indigenous system built to cater to the most demanding surveillance operations of the Indian Forces. It is developed by Indian tech firm Idea Forge.
 - o It is a Fixed Wing VTOL (Vertical Take-off and Landing) UAV that can be deployed at high altitudes and in harsh environments for day and night surveillance in Intelligence, Surveillance and Reconnaissance (ISR) missions.
 - o It is man-portable and has the highest time on target compared to any other UAV in its class.

Q42.

- Statement 01 is incorrect, In the case of the central government, the review committee comprises the Cabinet Secretary and the Secretaries of the Departments of Legal Affairs and Telecommunications.
 - o In the case of states, the committee comprises the Chief Secretary, Secretary, Law or Legal Remembrancer In-Charge, Legal Affairs, and a Secretary to the state government (other than the Home Secretary).
 - o In “unavoidable circumstances”, the order can be issued by an officer of the rank of Joint Secretary or above, authorised by the Centre or the state Home Secretary.
- Statement 02 is correct, The Supreme Court of India has declared access to the internet a fundamental right.
 - o The Supreme Court ruling is also in sync with the United Nations’ recommendation that every country should make access to the Internet a fundamental right.
 - o In India, Kerala was the first state in 2017 to declare access to the Internet “a basic human right”.

Q43.

- Statement 01 is correct, Subhash Chandra Bose considered Vivekananda as his spiritual teacher. Bose told, that under the “sacred influence” of Ramakrishna and Vivekananda his own life got awakened.
- Statement 02 is correct, Gandhi was anti-materialistic and hostile to modern technology, Bose saw technology and mass production as essential to survival and dignity.
- Statement 03 is incorrect, Gandhi wanted a decentralised society and disliked the modern state, Bose wanted a strong central government and saw the modern state as the only solution to India’s problems.

Q44.

- Statements 01 and 02 are correct, The All India Forward Bloc is a left-wing nationalist political party that emerged as a faction within the Indian National Congress in 1939, led by Subhash Chandra Bose.
- Statement 03 is incorrect, In July 1939 Subhash Chandra Bose announced the Committee of the Forward Bloc. It had Subhash Chandra Bose as president, S.S. Kavishar from Punjab as its vice-president, Lal Shankarlal from Delhi, as its general secretary and Vishwambhar Dayalu Tripathi and Khurshed Nariman from Bombay as secretaries.

Q45.

- Statement 01 is correct, Wild Life (Protection) Act, 1972 states that every Wild Animal shall be the property of the State Government, and, where such animal is hunted in a sanctuary or National Park declared by the Central Government, such animal shall be the property of the Central Government.
- Statement 02 is correct, Wildlife (Protection) Act, 1972, does not discriminate between animals found in protected areas and outside. It provides for equal protection for wild animals irrespective of where they are found.
- Statement 03 is incorrect, Wildlife Protection Act, 1972 states that only if the wild animal becomes a danger to human life or is diseased or disabled beyond recovery can it be allowed to be captured or killed by the competent authority, the Chief Wildlife Warden of the State.

Q46.

- Statement 01 is incorrect, Hydrogen is an energy carrier, not an energy source and can deliver or store a tremendous amount of energy. Hydrogen can be used in fuel cells to generate electricity, or power and heat.
- Statement 02 is correct, A fuel cell is an electrochemical cell that converts the chemical energy of a fuel (often hydrogen) and an oxidizing agent (often oxygen) into electricity through a pair of redox reactions.
- Statement 03 is correct, Fuel Cell Vehicles use a propulsion system similar to that of electric vehicles, where energy stored as hydrogen is converted to electricity by the fuel cell.

Q47.

- Statement 01 is correct, Natural rubber is known for its properties as a strong, flexible and heat-resistant material used to create latex products. It is preferred over synthetic rubber due to its high tensile strength and vibration dampening properties, along with tear resistance.
- Statement 02 is correct, Thailand is the largest Producer of Rubber in the World followed by Indonesia, Malaysia, India, China etc.

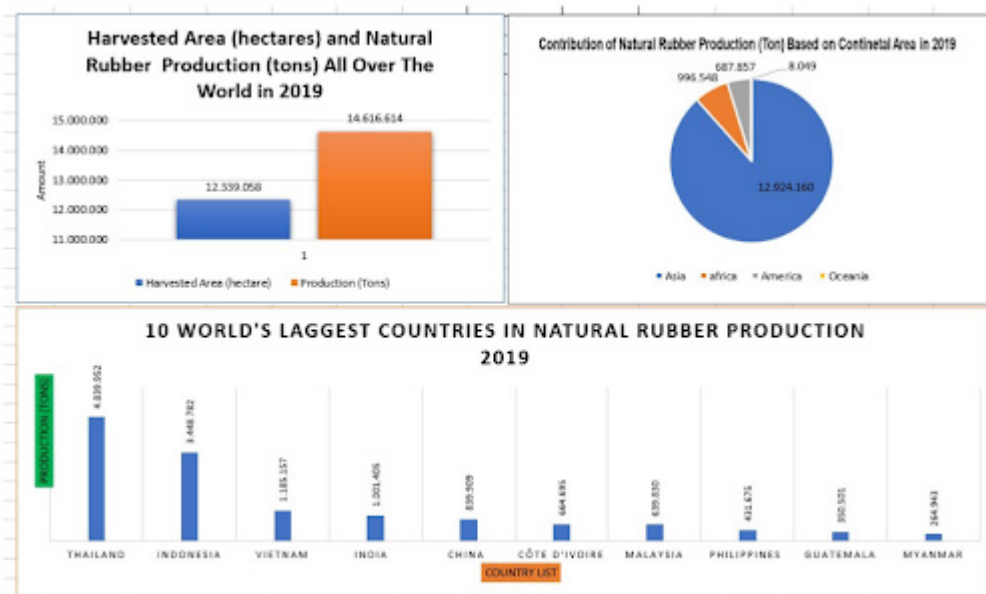


Image Source: The science Agriculture

- Statement 03 is incorrect, India's natural rubber production (NR) increased to a nine-year high in the 2021-22 fiscal. Kerala is the largest producer of natural rubber in India.

Q48.

- Statement 01 is correct, The Constitution (97th Amendment) Act, 2011 provides constitutional status and protection to the cooperative societies.
 - o It added Part IXB regarding cooperative working in India right after Part IXA.
- Statement 02 is correct, The word "cooperatives" was added after "unions and associations" in Article 19(1)(c) under Part III of the Constitution.
- Statement 03 is incorrect, A new Article 43B was added in the Directive Principles of State Policy (Part IV) regarding the "promotion of cooperative societies".

Q49.

- Statement 01 is incorrect, Rabindranath Tagore renounced his knighthood in protest against the massacre. He was the first Indian to receive this award in 1915 for his contribution to literature.
- Statement 02 is correct, The government of India formed a commission called the Hunter Commission to inquire into the massacre and other events in Punjab. It was officially called 'Disorders Inquiry Committee'.
 - o The commission found that Colonel Reginald Dyer was guilty of 'a mistaken notion of duty'. He was relieved of his command although no penal or disciplinary action was recommended.
- Statement 03 is correct, The Rowlatt Act was passed by the British government to increase their grip on power over the common folk. This law was passed in March 1919 by the Imperial Legislative Council based on the report of Justice S.A.T. Rowlatt's committee of 1918.

Q50.

- Statement 01 is incorrect, LTE stands for Long Term Evolution. It is a model for high-speed data communication systems, also called 4G. This means you can utilise internet service at the 4G speed. It has the capacity to provide a download speed of 100 Mbps and an uploading speed of 50 Mbps.
 - o VoLTE stands for Voice over Long Term Evolution. Like LTE, it also holds 4G networks, and you can enjoy the high-speed internet service with it. Even with VoLTE, you can enjoy voice calling with data service.
- Statement 02 is incorrect, under LTE, the infrastructure of telecom players only allows transmission of data while voice calls are routed to their older 2G or 3G networks.
 - o VoLTE is both data and voice technology. Basically VoLTE systems convert voice into the data stream, which is then transmitted using the data connection.

Q51.

- Project 17A was designed to launch a series of guided-missile frigates to strengthen the marine defence system of the country.
- Taragiri, the third stealth frigate of Project 17A, was launched recently.
- The first ship of Project 17A, Nilgiri, was launched on September 28, 2019, and is expected to begin sea trials in 2024.

Q52.

- Statement 01 is incorrect, Any prospective adoptive parents, irrespective of his marital status and whether or not he has biological son or daughter, can adopt a child subject to following, namely,
 - o the consent of both the spouses for the adoption shall be required, in case of a married couple;
 - o a single female can adopt a child of any gender;
 - o a single male shall not be eligible to adopt a girl child;
- Statement 02 is correct, The age of prospective adoptive parents, as on the date of registration, shall be counted for deciding the eligibility.
 - o In case of a couple, the composite age of the prospective adoptive parents shall be counted.
 - o The minimum age difference between the child and either of the prospective adoptive parents shall not be less than twenty-five years.
 - o The age criteria for prospective adoptive parents shall not be applicable in case of relative adoptions and adoption by step-parent.
- Statement 03 is incorrect, Couples with three or more children shall not be considered for adoption except in case of special need children , hard to place children and in case of relative adoption and adoption by step-parent.

Q53.

- Statement 01 is correct, SFIO starts an investigation only after receiving an order from the Union government in this respect and it cannot take up cases on their own initiative.
 - o Once a case has been assigned by the Central Government to the SFIO for investigation under the Indian Companies Act, 2013 no other investigating agency of the Central Government or any State Government can commence the investigation in such cases.
 - o In case any such investigation has already been initiated, it cannot be proceeded further with, and the concerned agency has to transfer the relevant documents and records in respect of such offences to the Serious Fraud Investigation Office.
- Statement 02 is incorrect, SFIO have the powers to arrest people for violations of companies law

Read more on Serious Fraud Investigation Office

Q54.

- The MAARG Portal by Startup India is a one-stop mentorship platform to facilitate mentorship for startups across diverse sectors, functions, stages, geographies, and backgrounds.
- Startups can connect with academicians, industry experts, successful founders, seasoned investors, and others to get personalised advice on growth strategy, seek clarity, and get practical advice.
- All Department for Promotion of Industry and Internal Trade recognized startups, from all sectors and stages of the startup lifecycle, are eligible to apply for mentorship on the platform all year-round.

Q55.

- Statement 01 is correct, Writ of Mandamus is a command issued by the court to a public official asking him to perform his official duties that he has failed or refused to perform. It won't be granted against private individuals and companies that have no public duty to perform.

- Statement 02 is incorrect, it can also be issued against any public body, a corporation, an inferior court, a tribunal, or a government.
- Statement 03 is correct, Quo Warranto is issued by the court to enquire into the legality of the claim of a person to a public office. Hence, it prevents illegal usurpation of public office by a person.
- o Unlike the other writs, this can be sought by any interested person and not necessarily by the aggrieved person.

Q56.

- Kuno National Park in Madhya Pradesh has been identified for the Cheetah reintroduction project by the Indian Government.

Q57.

- Statement 1 is not correct, UN World Food Programme (WFP) was established in 1961.
- Statement 2 is correct, FAO and WFP are both members of the United Nations Sustainable Development Group.
- Statement 3 is correct, The World Food Programme (WFP) won the 2020 Nobel Prize for Peace, for its work in the field of combating hunger and 'its efforts to prevent the use of hunger as a weapon of war and conflict'.

Q58.

- Both fuel (Hydrogen), as well as Oxidiser, are continuously replaced in a Hydrogen Fuel Cell.
- Read more about – Fuel Cell.

Q59.

- The Banni buffaloes are acclimatized to the desert conditions and are bred and preserved by a local community called "Maldharis" found in the Kutch region.
- Banni buffaloes are also known as "Kutchi" or "Kundi".
- Banni buffaloes are trained to graze on Banni grassland during the night as the days are very hot and sunny and are brought to the villages in the morning for milking.
- Banni buffaloes have unique qualities of adaptation such as the ability to survive water scarce conditions, to cover long distances during periods of drought and disease resistance.

Q60.

- The Service area approach (SAA) introduced in April 1989 is a developed version of the 'area approach' structure of the Lead Bank Scheme.
- SAA aims to bring about an orderly and planned development of rural and semi-urban areas of the country.

Q61.

- Statement 1 is not correct, Exercise Kakadu is a multinational naval exercise hosted by the Royal Australian Navy.
- Statement 2 is not correct, Exercise Kakadu has been conducted since 1993.
- o Exercise Kakadu derives its name from Kakadu National Park, in the northern territory of Australia.
- Statement 3 is correct, The exercise is held biennially in Darwin and the Northern Australian Exercise Areas (NAXA).

Q62.

- Statement 1 is not correct, The first NLEM was compiled in 1996 and has been revised thrice earlier in 2003, 2011, and 2015 before the NLEM 2022
- Statement 2 is correct, This list has been prepared based on the recommendations of the independent Standing National Committee on Medicines constituted by the Union Health Ministry.
- Statement 3 is not correct, Vaccines included in the Universal Immunization Program is one of the criteria for inclusion of drugs in NLEM.

Q63.

- SRIJAN is the Ministry of Defence's portal which acts as a one-stop-shop online portal that provides access to the vendors to take up items that can be taken up for indigenization.
- The Department of Defence Production has developed the SRIJAN Portal.

Q64.

- Statement 1 is not correct, The register of RUPPs is maintained by the Election Commission under section 29A of Representation of People Act, 1951
- Statement 2 is correct, According to the guidelines for registration of political parties issued by the Election Commission, a party must contest an election conducted by the Election Commission within five years of its registration and thereafter should continue to contest barring which the Party shall be taken off the list of registered parties.

Q65.

- Pyrolysis is the chemical decomposition of organic compounds in the absence of oxygen.
- Plasma gasification is a high-temperature thermal process that uses plasma to transform organic materials into a syngas (synthesis gas) largely composed of hydrogen and carbon monoxide. Pyrolysis transforms organic materials into a solid residue including ash and carbon, as well as minor amounts of liquid and gases.
- Plasma gasification is used commercially as a waste-to-energy system, converting municipal solid trash, tyres, hazardous waste, and sewage sludge into synthesis gas (syngas), which contains hydrogen and carbon monoxide and this may be used to create electricity.

Q66.

- Statement 01 is incorrect, The Hoysala temple structure is an aspirant for the tag of World Heritage Site given by UNESCO.
- Statement 02 is correct, Hoysaleswara temple is a 12th-century temple dedicated to Lord Shiva built on the banks of a large man-made lake and sponsored by King Vishnuvardhana of the Hoysala Empire.
- Statement 03 is correct, The temple was carved from soapstone.

Q67.

- Statement 01 is correct, Sir Mokshagundam Visvesvaraya was a civil engineer and statesman.
- o He was responsible for significant engineering projects in India, including the Krishna Raja Sagara dam in Mandya, Laxmi Talav dam in Kolhapur.

- He patented and installed an irrigation system with water floodgates at the Khadakvasla reservoir near Pune to raise the food supply level and storage to the highest levels known as the 'block system' in 1903.
- Statement 02 is incorrect, He served as the 19th Diwan of Mysore and not Hyderabad.
- Statement 03 is correct, Some of the books authored by Sir M Visvesvaraya include,
 - Planned Economy for India
 - Memoirs of My Working Life, Bangalore (1954)
 - Unemployment in India: Its Causes and Cure
 - Reconstructing India
 - Nation Building: A Five-Year Plan for the Provinces

Q68.

- All four rivers are transboundary rivers between India and Bangladesh.
- India and Bangladesh share 54 common rivers of which agreement has been reached only on sharing of waters of the river Ganga.
 - Teesta River rises in the Pauhunri Mountain of eastern Himalayas, flows through the Indian states of Sikkim and West Bengal through Bangladesh and enters the Bay of Bengal. It joins the Brahmaputra River in Bangladesh. It is the largest river of Sikkim and the second largest river in West Bengal after the Ganges.
 - Feni River is a transboundary river in Tripura state and Bangladesh. The Feni River originates in the South Tripura district and flows through Sabroom town and then enters Bangladesh.
 - The Kushiya River is a distributary river in Assam and Bangladesh. It forms on the India-Bangladesh border as a branch of the Barak River when the Barak separates into the Kushiya and Surma.
 - The Umngot River, also known as the Dawki River and Wah Umngot, is a river which flows through Dawki, a little town located at the bottom of the Jaintia Hills in Meghalaya. The town serves as a trade route between India and Bangladesh.

Q69.

- NITI Aayog, with Rocky Mountain Institute (RMI) and RMI India's support, on September 15, 2021, launched the Shoonya Campaign.
 - It is an initiative to promote zero-pollution delivery vehicles by working with consumers and the industry.
 - The campaign aims to accelerate the adoption of electric vehicles (EVs) in the urban deliveries segment and create consumer awareness about the benefits of zero-pollution delivery.

Q70.

- Statement 01 is correct, Swadeshi Movement focused on self-reliance thus contributing to the revival of indigenous artisans' crafts and industries.
- Statement 02 is correct, In August 1906 the National Council of Education was established to provide an impetus to the program of national education.

Q71.

- Statement 01 is incorrect, The Union Ministry of Rural Development implements Pradhan Mantri Awaas Yojana – Gramin.
- o Pradhan Mantri Awas Yojana-urban is implemented by the Ministry of Housing and Urban Affairs.
- Statement 02 is correct, The identification of beneficiaries under PMAY-G is based on the housing deprivation parameters and exclusion criteria prescribed under Socio-Economic Caste Census (SECC)-2011 and due verification by the respective Gram Sabhas and completion of an Appellate Process.
- Statement 03 is incorrect, The cost of unit assistance is shared between Central and State Governments in the ratio of 60:40 in plain areas and 90:10 for North Eastern and hilly states.

Q72.

- Tanjore (Thanjavur) brothers, also known as the “Tanjore Quartet” are Ponnayya, Chinnayya, Shivanandam, and Vadivelu.
- They formalised Bharatanatyam into a meticulous art form in the 19th century.
- They studied Bharatanatyam under their grandfather, Gangaimudu, and their father, Subbarayan.
- They also trained in Carnatic music for seven years under the guidance of Muthuswami Dikshitar.
- They mastered the art of primaeval Bharatanatyam and eventually evolved it into its present-day format by codifying its steps and rhythm patterns.
- They performed in the court of Serfoji II of the Maratha dynasty who ruled Thanjavur from 1798 to 1832.
- They were also responsible for making Brihadisvara Temple a hub that brought musicians and dancers together.
- The Tanjore Quartet also brought light to a number of other dance styles, including those from the Travancore and Mysore kingdoms.

Q73.

- François Bernier was a French physician and traveller. He was in India from 1656-1668 and visited India during the reign of Shah Jahan.
- He was a physician to Prince Dara Shikoh and later was attached to the court of Aurangzeb.

Q74.

- Nedyathuruthu island is in Vembanad Lake, Kerala.
- The demolition of the illegally constructed villas of Kapico Resorts Pvt. Ltd on Nedyathuruthu island began recently, 32 months after the Supreme Court’s order.
- The high-end resort was constructed on a backwater island in Alappuzha and violated coastal and environmental regulations.

Q75.

- Statement 01 is correct, Household financial savings refer to currency, bank deposits, debt securities, mutual funds, pension funds, insurance, and investments in small savings schemes.

The total of these savings is referred to as gross household financial savings.

Deposits with banks are the single largest form of households’ financial assets, followed by insurance funds, mutual funds and currency.

A share of household financial savings goes to government borrowings, as part of public accounts of India.

- Statement 02 is correct, Dated Government Securities are government securities or bonds which are long-term, the tenor ranging from 5 years to 30 years.
- o Dated securities issued at market-related rates comprise a large share of internal debt.

Q76.

- The Samarkand Declaration was signed by the Council of Heads of State of the Shanghai Cooperation Organization.
- The Samarkand Declaration advocated a “commitment to peaceful settlement of differences and disputes between countries through dialogue and consultation.”

Q77.

- Statement 1 is not correct, Land, that is to say, rights in or over land, land tenures including the relation of landlord and tenant, and the collection of rents; transfer and alienation of agricultural land; land improvement and agricultural loans; colonization falls under the State list of the 7th schedule.
- Statement 2 is correct, Real Estate Regulatory Authorities (RERAs) are intended to perform the same role for your property transactions as the SEBI does for security transactions in the capital markets.

Q78.



Q79.

- Statement 1 is not correct, The greenhouse effect is a natural phenomenon that maintains the temperature of the earth to sustain life.
- Statement 2 is correct, Currently, the average temperature of the Earth’s surface is 15 degree Celsius and without the greenhouse effect, the average temperature of the Earth’s surface would decrease to – 18 degree Celsius.

Q80.

- Statement 1 is not correct, Ayushman Bharat Digital Mission is not mandatory for adoption by private and public hospitals and it would be voluntary.
- Statement 2 is not correct, The Ayushman Bharat Digital Mission (ABDM) aims to develop the backbone necessary to support the integrated digital health infrastructure of the country.
 - o It will bridge the existing gap amongst different stakeholders of the healthcare ecosystem through digital highways.
- Statement 3 is correct, ABDM ensures seamless national portability in the provision of health services.

Q81.

- Statement 01 is incorrect, The institution of Lokayukta was first established in Maharashtra in 1971. Although Odisha had passed an Act in this regard in 1970, it came into force only in 1983.
- Statement 02 is incorrect, Judicial qualifications are prescribed for the lokayukta in the States of Himachal Pradesh, Uttar Pradesh, Andhra Pradesh, Gujarat, Orissa, Karnataka and Assam. But no specific qualifications are prescribed in the states of Bihar, Maharashtra and Rajasthan.
- Statement 03 is correct, Lokayukta can initiate investigation Suo moto against public officials in most of the states.

Q82.

- Statement 01 is incorrect, 1st Constitutional Amendment Act 1951 added the Ninth Schedule to protect the laws included in it from judicial scrutiny on the ground of violation of fundamental rights.
- Statement 02 is correct, The Schedule contains a list of central and state laws which cannot be challenged in courts. The first Amendment added 13 laws to the Schedule. But, laws under the Ninth Schedule would be open to scrutiny if they violated fundamental rights or the basic structure of the Constitution

Q83.

- Pair 01 is incorrectly matched, Betaab valley, originally called Hajan Valley or Hagan Valley is situated in Jammu and Kashmir.
- Pair 02 is incorrectly matched, The Lidder Valley is in Jammu and Kashmir. It is bordered by Kashmir Valley to the west, and Sind Valley to the north. The Lidder River flows down the valley.
- Pair 03 is correctly matched, Pahalgam valley is in Jammu and Kashmir. It is a popular tourist destination which is associated with the annual pilgrimage to the shrine Amarnath Yatra.
- Pair 04 is correctly matched, Spiti valley is located in the north-eastern part of Himachal Pradesh.

Q84.

- Statement 01 is correct, Sea cucumbers are marine invertebrates that live on the seafloor found generally in tropical regions
- Statement 02 is correct, They are protected under Schedule I under the Wildlife Protection Act (WPA), 1972. Their trade is banned under the Act.
- Statement 03 is correct, Brown Sea Cucumber is listed as Endangered in IUCN Red List, Blackspotted Sea Cucumber is listed as Least Concern.

Q85.

- Pair 01 is incorrectly matched, Namcha Barwa is considered as the Eastern point of the Himalayas and is located on the extreme east of the Indian state of Arunachal Pradesh.
- Pair 02 is correctly matched, Nanda Devi, situated in Uttarakhand is the second highest mountain in India and it is part of the Kumaon Himalayas lying between Satluj and Kali rivers.
- Pair 03 is incorrectly matched, Nokrek is the highest peak in West Garo Hills of Meghalaya.

Q86.

- All the mentioned names above belong to species of Butterfly.
- Two new species of butterfly namely Striped Hairstreak and Elusive Prince were discovered in Arunachal Pradesh in 2020.
- The veined palmer/Hidari bhawani is a butterfly of the family Hesperidae.

Q87.

- Typhoon Nanmadol made landfall in southwestern Japan recently.
- The Japan Meteorological Agency urged millions of people to take shelter from the powerful storm's high winds and torrential rain.

Q88.

- Pair 01 is correctly matched, The Orange Revolution was a series of protests and political events that took place in Ukraine from late November 2004 to January 2005 against corruption and electoral fraud in the 2004 Ukrainian presidential election.
- Pair 02 is correctly matched, The Tulip Revolution in Kyrgyzstan started after the parliamentary elections in 2005 against then President Askar Akayev's corrupt, intolerant, and authoritarian regime.
- Pair 03 is correctly matched, Jasmine Revolution is an uprising in Tunisia that protested against corruption, poverty, and political repression started in 2010. The success of the uprising inspired a wave of similar protests throughout the Middle East and North Africa known as the Arab Spring.
- Pair 04 is correctly matched, The 2011 Egyptian revolution took place in 2011 against increasing police brutality of then president Hosni Mubarak's rule.
 - o It is also known as the 25 January revolution, Freedom Revolution Rage Revolution or Lotus Revolution.

Q89.

- Statement 01 is incorrect, Mission Innovation is an international initiative to accelerate public and private clean energy innovation to address the issues of climate change, make a clean energy economy for consumers, and generate green jobs and business opportunities.
- Statement 02 is correct, It is a global initiative of 24 countries including India and the European Union.

Q90.

- In the Gupta Age, the term Vishti referred to Forced labour.
- Forced labour (Vishti) became more common than before in this Gupta period.

- It was mentioned along with the taxes in the land grant inscriptions which suggest that Vishti was considered as a source of income for the state, a sort of tax paid by the people.

Q91.

- Statement 1 is correct, Millets are Photo-insensitive (i.e. does not need specific photoperiod for flowering) and are resilient to climate change.
- Statement 2 is correct, The anaemia (iron deficiency), B-complex vitamin deficiency, pellagra (niacin deficiency) can be effectively tackled with the intake of millets.
- Statement 3 is not correct, Government of India approved 2018 as the National Year of Millets.
- Statement 4 is correct, Millets are hardy, resilient crops that have low carbon and water footprint, can withstand high temperatures and grow on poor soils with little or no external inputs.

Q92.

- Statement 1 is correct, Ethereum is a decentralized, open-source blockchain/cryptocurrency with smart contract functionality.
- Statement 2 is not correct, Ethereum is the world’s second most valuable cryptocurrency.
- o Bitcoin is the world’s most valuable cryptocurrency.
- Statement 3 is correct, Ethereum recently finalised “the Merge” which will help reduce its energy consumption by nearly 99.95%.

Q93.

Kyrgyzstan



Image Source: BBC

Q94.

- Statement 1 is correct, Red Sanders or Pterocarpus santalinus is endemic to the Eastern Ghats of India.
- Statement 2 is not correct, Aromatherapy is associated with Sandalwood (Santalum album).
- o Aromatherapy has nothing to do with Red Sanders.
- Statement 3 is correct, Red Sanders is classified as Endangered on the IUCN Red List.
- Statement 4 is correct, Red Sanders is listed under Appendix II of CITES and is banned from international trade.

Q95.

- Biorock technology is being used by the Zoological Survey of India (ZSI) to restore damaged coral reefs.

Q96.

- Statement 1 is correct, La Nina is associated with good rainfall during the monsoon season in the Indian context.
- Statement 2 is correct, Usually, La Nina causes more rainfall in Australia and Indonesia and the tropical regions.
- Statement 3 is correct, La Nina's cooling influence temporarily slows down the rise in global temperatures but it will not cease or reverse the long-term warming trend.

Q97.

- Statement 1 is not correct, The final decision to include a tribe in the Scheduled Tribe list rests with the President's office issuing a notification specifying the changes under powers vested in it from Article 342.
 - o Article 341 deals with that of Scheduled Castes.
- Statement 2 is correct, The inclusion or exclusion comes into effect only after the President assents to a Bill that amends the Constitution (Scheduled Castes) Order, 1950 and the Constitution (Scheduled Tribes) Order, 1950, as is appropriate, after it is passed by both the Lok Sabha and the Rajya Sabha.
- Statement 3 is correct, A state government may choose to recommend certain communities for addition or subtraction from the list of SCs/STs based on its discretion.

Q98.

- Statement 1 is correct, There are no specific antiviral drugs available for the treatment of lumpy skin disease.
 - o There are only symptom-specific treatments available currently such as wound care sprays to treat skin lesions and the use of antibiotics to prevent secondary skin infections and pneumonia.
- Statement 2 is correct, Lumpy skin disease spreads mainly through blood-feeding insects like flies, mosquitoes and ticks.
- Statement 3 is not correct, Lumpy Skin Disease is not Zoonotic as the virus is highly host specific and does not cause disease in humans.

Q99.

- Statement 1 is not correct, The Prevention of Money Laundering Act allows the ED to take cognizance of any offence under its wide-ranging schedule across the country, with or without the consent of state governments.
- Statement 2 is correct, After the amendments in 2015 and 2018, the ED has been allowed to attach properties in India equivalent to properties acquired abroad through laundered money.
- Statement 3 is correct, Under PMLA, the provision for bail stipulates that a magistrate will not grant bail to an accused unless he is convinced that prima facie no case is made out.

Q100.

- The Solid Waste Management Rules, 2016 provide exact and elaborate criteria for the identification of sites for landfills and waste processing facilities.
 - According to the rules, the landfill site shall be 100 metres away from a river, 200 metres from a pond, 200 metres away from highways, habitations, public parks and water supply wells and 20 km away from airports/airbases.
 - Further, the construction of landfills on hills shall be avoided. Land for the construction of sanitary landfills in hilly areas will be identified in the plain areas, within 25 kilometres. However, transfer stations and processing facilities shall be operational in the hilly areas.

Q101.

- Statement 01 is incorrect, The Supreme Court of India in its judgement in September 2018, had declared live telecast of court proceedings part of the right to access justice under Article 21 of the Constitution.
 - o Currently, six high courts in the country, namely Gujarat, Orissa, Karnataka, Jharkhand, Patna, and Madhya Pradesh, live-stream their proceedings through their own channels on YouTube.
- Statement 02 is correct, On August 26, on the day of former Chief Justice of India (CJI) N V Ramana's retirement, the Supreme Court streamed its proceedings live.
- Statement 03 is correct, While the US Supreme Court has rejected pleas for broadcast of its proceedings, it has since 1955 allowed audio recording and transcripts of oral arguments.

Q102.

- Statement 01 is correct, Section 235 of the Code of Criminal Procedure (CrPC) requires a judge to hear the accused after conviction on the question of sentence, and then pass the sentence on him according to law.
- Statement 02 is correct, In 1980, the Supreme Court upheld the constitutionality of capital punishment in 'Bachan Singh v State of Punjab' on the condition that the punishment will be awarded in the "rarest of the rare" cases. Crucially, the ruling also stressed that a separate sentencing hearing would be held, where a judge would be persuaded on why the death sentence need not be awarded.
- Statement 03 is correct, In 'Dattaraya v State of Maharashtra', a three-judge Bench of the Supreme Court commuted the death sentence to life imprisonment on the grounds that an adequate sentencing hearing was not held.

Q103.

The Central Reserve Police Force (CRPF) launched Operation Octopus, Operation Double Bull, Operation Thunderstorm and Operation Chakarbandha in Bihar, Jharkhand and Chhattisgarh against left-wing extremism.

Q104.

- Statements 01 and 03 are correct, The Charter of the United Nations is the founding document of the United Nations. It was signed on 26 June 1945, in San Francisco, at the conclusion of the United Nations Conference on International Organisation, and came into force on 24 October 1945.
 - o Since the UN's founding in 1945, the mission and work of the Organisation have been guided by the purposes and principles contained in its founding Charter, which has been amended three times in 1963, 1965, and 1973.
- Statement 02 is correct, The UN Charter codifies the major principles of international relations, from sovereign equality of States to the prohibition of the use of force in international relations.
 - o The United Nations can take action on a wide variety of issues due to its unique international character and the powers vested in its Charter, which is considered an international treaty.
 - o As such, the UN Charter is an instrument of international law, and the UN Member States are bound by it.

Q105.

- Pyrolysis is one of the technologies available to convert biomass to an intermediate liquid product that can be refined to drop-in hydrocarbon biofuels, oxygenated fuel additives and petrochemical replacements. Pyrolysis is the heating of an organic material, such as biomass, in the absence of oxygen.
- Plasma gasification is an extreme thermal process using plasma which converts organic matter into syngas (synthesis gas) which is primarily made up of hydrogen and carbon monoxide

Q106.

- Statement 01 is correct, The Telecom Regulatory Authority of India (TRAI) was established with effect from February 20, 1997, by an Act of Parliament, called the Telecom Regulatory Authority of India Act, 1997 to regulate telecom services, including fixation/revision of tariffs for telecom services which were earlier vested in the Central Government.
- Statement 02 is correct, The TRAI Act was amended by an ordinance, effective from 24 January 2000, establishing a Telecom

Disputes Settlement and Appellate Tribunal (TDSAT) to take over the adjudicatory and disputes functions from TRAI.

- Statement 03 is correct, TRAI consists of a chairman, at least two full-time members and not more than two-part members, all appointed by the Union Government.
- o The members should have special knowledge of, or professional experience in telecom, industry, finance, accountancy, law, management and consumer affairs.
- o Only those senior or retired Government officers can be appointed as members who have served for at least three years as secretary/additional secretary to the Union or State Governments.

Q107.

- '1098 helpline number' is a 24/7/365 free, emergency phone service for children in need of aid and assistance.
- A non-governmental organisation CHILDLINE India Foundation (CIF) is the nodal agency supported by the Union Ministry of Women and Child Development responsible for setting up, managing and monitoring the CHILDLINE 1098 service all over the country.

Q108.

- Statement 01 is correct, Nikah halala is a Muslim personal law that requires a woman to marry and have physical relations with another man in order to return to her first husband. The Muslim Women (Protection of Rights on Marriage) Act, 2019 declares the instant divorce granted by the pronouncement of talaq three times as void and illegal. But the Act is silent on nikah halala which takes place as a consequence of triple talaq.
- Statement 02 is correct, The holy book of Islam, the Koran contains numerous verses dealing with the issues of marriage, child-rearing, divorces, marital obligations, reconciliation between estranged couples and inheritance. The Koran allows a man to divorce his wife a maximum of two times. On both occasions, separated by at least one menstrual cycle.
- Statement 03 is incorrect, In Saudi Arabia, where divorces are on the rise, no cases of halala have been reported. No case has been reported from the UAE, Kuwait and Yemen either.

Q109.

- The 1997 judgement in the Vineet Narain vs Union of India case, popularly known as the Jain hawala case led to sweeping changes in the Central Bureau of Investigation.
- The Supreme Court gave directions to fix the tenure of the CBI Director for two years and statutory status to the Central Vigilance Commission (CVC).

Q110.

- The General Data Protection Regulation is a regulation in European Union law on data protection and privacy for the citizens of the EU and the European Economic Area (EEA).
- It also addresses the export of personal data outside the EU and EEA areas.

Q111.

- Statement 1 is not correct, At present only those who belong to Hindu, Sikhism & Buddhism faiths are considered as Dalits (Scheduled Castes), according to the Constitution (Scheduled Castes) Order 1950.
- o Individuals belonging to Jainism are not considered Scheduled Castes.
- Statement 2 is not correct, The Supreme Court has recently clarified that "a person belonging to a Scheduled Caste (SC) or Scheduled Tribe (ST) in a state will not be deemed to be SC or ST in another state to which he/ she migrates for the purpose of employment or education."

Q112.

- The Sharada Act (Sarda Act) which is also known as the Child Marriage Restraint Act is a legislative act passed in September 1929.

- The Act fixed the marriageable age for girls at 14 years and 18 years for boys.
- Read more about – Sharada Act.

Q113.

- Statement 1 is not correct, As per the Prohibition of Child Marriage Act, “child” means a person who,
 - o If male, has not completed twenty-one years of age
 - o If female, has not completed eighteen years of age
- Statement 2 is not correct, Marriage of a minor child is considered to be void in certain circumstances, where a child, being a minor –
 - o Is taken or enticed out of the keeping of the lawful guardian.
 - o By force compelled, or by any deceitful means induced to go from any place.
 - o Is sold for the purpose of marriage.

Q114.

- India’s first avalanche-monitoring radar has been installed in the state/UT of Sikkim.
- The avalanche-monitoring radar has been installed by the Indian Army and the Defence Geoinformatics and Research Establishment (DGRE) at an altitude of 15,000 feet in North Sikkim.

Q115.

- Statement 1 is correct, Pattachitra art is a form of cloth-based scroll painting.
- Statement 2 is not correct, Pattachitra art is usually associated with the eastern states of India.
 - o In Odisha, Pattachitra originated as a way to paint stories of God Jagannath.
 - o In West Bengal, Pattachitras were used to depict stories of Goddess Durga and other mythological stories.
- Statement 3 is correct, The materials used in the paint are from vegetable, earth, and mineral sources.
 - o Black is made out of lampblack
 - o Yellow from haritala stone
 - o Red from shingle stone
 - o White colour is prepared from crushed, boiled, and filtered shells

Q116.

- Statement 01 is incorrect, PVTGs are more vulnerable among the tribal groups. In 1973, the Dhebar Commission created Primitive Tribal Groups (PTGs) as a separate category, which are less developed among the tribal groups. In 2006, the Government of India renamed the PTGs as PVTGs.
- Statement 02 is correct, Odisha has the highest number of PVTGs in India while no PVTGs are found in the states of Punjab and Haryana.
 - o 13 out of the 75 PVTGs are in Odisha.

Q117.

- The Paris Club is an informal group of creditor nations whose objective is to find workable solutions to payment problems faced by debtor nations.
- The Paris Club has 22 permanent members.
- The Paris Club stresses the informal nature of its existence. As an informal group, it has no official statutes and no formal inception date, although its first meeting with a debtor nation was in 1956, with Argentina.
- India is an observer state of the Paris Club from 2019.

Q118.

- Statement 01 is correct, Masala Bonds are rupee-denominated bonds. It is a debt instrument issued by an Indian entity in foreign markets to raise money, in Indian currency, instead of dollars or local denomination.
- o In 2019, Kerala became the first Indian state to issue Masala Bonds worth Rs. 2,150 crore on the London Stock Exchange. State-owned Kerala Infrastructure Investment Fund Board (KIIFB) had issued the bonds to raise funds in the overseas market.
- Statement 02 is correct, The first Masala Bonds were issued by World Bank in 2014 to fund an infrastructure project in India
- o The International Finance Corporation (IFC), the investment branch of the World Bank issued a 10-year, 10 billion Indian rupee bonds in November 2014 to increase foreign investment in India and mobilise international capital markets to support infrastructure development in the country
- Statement 03 is correct, These bonds can only be issued to a resident of such a country which is a member of the Financial Action Task Force (FATF)

Q119.

- Pair 01 is correctly matched, Cassini–Huygens is an unmanned spacecraft sent to the planet Saturn as a part of Cassini mission.
- Pair 02 is correctly matched, the DAVINCI mission is a flyby mission to Venus and explores its harsh atmosphere in 2029.
- o It will be the first mission to study Venus by means of both flybys and descent.
- Pair 03 is correctly matched, Europa Clipper is a mission by NASA to conduct detailed reconnaissance of Jupiter's moon Europa and investigate whether the icy moon could have conditions suitable for life.
- Pair 04 is correctly matched, The Interior Exploration using Seismic Investigations, Geodesy and Heat Transport (InSight) mission is a robotic lander designed to study the deep interior of the planet Mars. The InSight mission is part of NASA's Discovery Program (1992).

Q120.

- The Government of India Act 1919 relaxed the central control over the provinces by demarcating and separating the central and provincial subjects.
- The central and provincial legislatures were authorised to make laws on their respective list of subjects.
- It further divided the provincial subjects into two parts—transferred and reserved.
- The reserved subjects included subjects such as law and order, police, finance, land revenue, irrigation, etc.
- The transferred subjects included subjects such as education, health, local government, industry, agriculture, excise, etc.

Q121.

- Statement 01 is incorrect, Neelakurinji Flower has no smell or any medicinal value.
- Statement 02 is correct, Some species of Strobilanthes are examples of a mass seeding phenomenon termed as masting. Which can be defined as "synchronous production of seed at long intervals by a population of plants".
- Statement 03 is correct, The Paliyan tribal people living in Tamil Nadu used it as a reference to calculate their age.

Q122.

The correct sequence from North to South is: Javadi hills-Nilgiri Hills-Anamalai hills-Cardamom hills

Q123.

- In Cricket, 'Mankading' is the act of a bowler running out a batter on the non-striker's end if he/she is backing up and too far ahead of the crease before the ball is delivered.
- The act got its name through an action by Indian all-rounder Vinoo Mankad way back during India's tour of Australia in the 1947-48.
- o This incident was the first time such an event occurred in international cricket. Till date, this act has been performed only a handful number of times.

Q124.

- Gurmukhi script was developed by the Sikhs in India for their sacred literature.
- o It was standardised and used by the second Sikh guru, Guru Angad (1504–1552).
- o Gurmukhi is written from left to right.
- Shahmukhi is written from right to left. It is also used as the main alphabet to write Pahari–Pothwari in Azad Kashmir and Jammu and Kashmir. The Shahmukhi alphabet was first used by the Sufi poets of Punjab.
- The Kharosthi script is an ancient script used in ancient Gandhara. It is a sister script of Brahmi and was deciphered by James Prinsep. It is written from right to left.
- Takri (also called Tankri) script was widely used in several northern princely Indian states from the 16th century.
- o It was patronised by Dogra rulers of Jammu and Kashmir in the 17th century and employed extensively by them for official purposes, developing several regional variants and coexisting with the Persian script used to write Urdu and the Devanagari script.
- o It is written from left to right.

Q125.

- Statement 01 is correct, The Pallavas ruled south-eastern India from the 3rd through the 9th centuries CE with Kanchipuram as capital. Their empire covered what is today the Tamil Nadu state.
- Statement 02 is correct, Shore Temple at Mahabalipuram was built in the reign of Pallava ruler Narasimhavarman II, also known as Rajasimha who reigned from 700 to 728 CE.
- o The Kailasanathar temple, also referred to as the Kailasanatha temple, is a Pallava-era Hindu temple in Kanchipuram, Tamil Nadu. Dedicated to Shiva, it is one of the oldest surviving monuments in Kanchipuram. It reflects a Dravidian architecture and was built about 700 CE by Narasimhavarman II with additions by Mahendra III.
- Statement 03 is incorrect, The Pallava King Narsimhavarman I assumed the title of 'Vatapikonda' (Conqueror of Vatapi), when he defeated and killed Pulakesin II (Chalukya King) and captured the Chalukyan capital, Badami/Vatapi in 642 AD.

Q126.

Central Ground Water Authority was constituted under Section 3 (3) of the Environment (Protection) Act, 1986 to regulate and control development and management of groundwater resources in the country.

Q127.

- Statement 1 is correct, Monazite is a source of rare earths such as cerium, lanthanum, and others.
- Statement 2 is correct, Uranium and thorium are found in monazite.
- Statement 3 is not correct, Monazite occurs naturally in the coastal sands of three districts of Tamil Nadu namely Tirunelveli, Thoothukudi and Kanyakumari.
- Statement 4 is correct, In India, only Indian Rare Earths Limited (IREL), a wholly owned Public Sector Undertaking of the Government of India (GOI) under the Department of Atomic Energy (DAE) has been permitted to produce and process monazite, and handle it for domestic use as well as for export.

Q128.

- Statement 1 is not correct, Double Asteroid Redirection Test (DART) is a space mission of NASA which is aimed at testing a method of planetary defense against near-Earth objects (NEOs).
- o DART is a joint project between NASA and the Johns Hopkins Applied Physics Laboratory (APL).
- Statement 2 is not correct, The mission involves crashing the spacecraft into the Dimorphos asteroid.
- o Dimorphos is a moon of a slightly larger asteroid called Didymos.
- o Didymos is about 780 m at its widest, whereas Dimorphos is about 160 metres.
- o Scientists chose the Dimorphos as the target because of its relatively shorter orbit around Didymos. The deviation in this orbit would be more noticeable and easier to measure.

Q129.

- The “Dharamshala Declaration” aims to recognise India’s role in contributing towards global tourism as well as focusing on recovery by also promoting domestic tourism.
- The “Dharamshala Declaration” was adopted during the National Conference of State Tourism Ministers, which affirms commitment toward developing “sustainable and responsible tourism” and positions India as a “global leader in the tourism sector by 2047”.

Q130.

- Statement 1 is not correct, La Nina refers to the El Nino Southern Oscillation (ENSO) phase in which sea-surface temperatures are cooler than normal.
- Statement 2 is correct, In the Indian context, La Nina is associated with good rainfall during the monsoon season. Hence, La Nina is considered beneficial for Indian Monsoons.
- Statement 3 is not correct, India is currently experiencing an extended spell of the La Nina, called a ‘triple dip’ La Nina which is a phenomenon lasting across three winter seasons in the northern hemisphere.
- o This is said to be the first “triple dip” La Nina of the century and the third since 1950.

Q131.

- Statement 1 is not correct, Organisation for Economic Co-operation and Development (OECD) is an international, intergovernmental economic organization of 38 countries and most of its members are high-income economies with a very high Human Development Index (HDI) and are regarded as developed countries.
- o India is still not a member of OECD. However, India is one of the non-member economies with which the OECD has working relationships.
- o OECD has been cooperating with India since 1995.
- Statement 2 is not correct, The World Economic Outlook is a flagship report published by the International Monetary Fund (IMF).

Q132.

- The Valley of Flowers National Park is situated at an altitude of about 3352 to 3658 metres above sea level and so lies completely in the temperate alpine zone.
- The Valley of Flowers National Park is situated in the state of Uttarakhand.

Q133.

- Statement 1 is correct, According to Article 217 of the Constitution, the Judge of a High Court shall be appointed by the President in consultation with the Chief Justice of India (CJI), the Governor of the State.
- Statement 2 is correct, High Court judges are recommended by a Collegium comprising the CJI and two senior-most judges.
- o The proposal, however, is initiated by the Chief Justice of the High Court of the state concerned.
- Statement 3 is correct, The Government has, in consultation with the Chief Justice of India followed the policy of appointing the Chief Justice of High Courts from outside the respective States.

Q134.

- Statement 1 is correct, Dadasaheb Phalke Award was introduced by the government in 1969 and it was awarded for the first time to Devika Rani, “the first lady of Indian cinema”.
- Statement 2 is not correct, Dadasaheb Phalke, popularly known as “the father of Indian cinema”, was an Indian filmmaker who directed India’s first full-length feature film, Raja Harishchandra (1913).
- Statement 3 is correct, Actors Prithviraj Kapoor and Vinod Khanna are the only posthumous recipients of the award.

Q135.

- Statement 1 is correct, In India, entry into forests is governed by two laws namely the Indian Forest Act, 1927, and the Wildlife Protection Act, 1972.
- Statement 2 is correct, The Wildlife Protection Act empowers the Chief Wildlife Warden of a state to frame laws for tourists entering Protected Areas such as sanctuaries and national parks.
 - o Under the same Act, the National Tiger Conservation Authority (NTCA) has the power to set rules for tiger reserves.
- Statement 3 is not correct, At present, there is no law in the country which prohibits night safaris in wildlife sanctuaries.

Q136.

- Statement 1 is correct, Warmer oceans make stronger storms as the evaporation intensifies as temperatures increase and so does the transfer of heat from the oceans to the air.
- Statement 2 is correct, Studies have found that the ocean has absorbed more than 90% of the excess heat from human-caused global warming between 1971 and 2010.
- Statement 3 is correct, Higher surface temperatures allow hurricanes to reach higher levels of maximum sustained wind.

Q137.

- The poverty line depends upon the income profile of the population vis-à-vis the cost of the standard basket of consumption.
- Thus, it is a function of the cost of the consumption basket which varies from state to state. It is not related to GSDP or the quality of public distribution services.

Q138.

- Statement 01 is correct, The Attorney General (AG) of India is a part of the Union Executive. He is the highest law officer in the country. He can be part of any court in the Indian Territory.
- Statement 02 is correct, There is no fixed term for the Attorney General of India. The Constitution of India mentions no specified tenure for the Attorney General. Similarly, the Constitution also does not mention the procedure and ground of his removal.
- Statement 03 is incorrect, He is not considered a government servant. He can practise privately too as he is not debarred from private legal practice.

Q139.

- Statement 01 is correct, The 10th Schedule of the Indian Constitution popularly referred to as the 'Anti-Defection Law' was inserted by the 52nd Amendment (1985) to the Constitution.
 - o Shri Rajiv Gandhi was the Prime Minister of India when this schedule became a part of the Indian Constitution. He served as the sixth prime minister of India from 1984 to 1989.
- Statement 02 is correct, There is no time limit as per the 10th Schedule within which the Presiding Officers should decide on a plea for disqualification due to defection.
- Statement 03 is incorrect, the 10th schedule does not mention any provisions to bar the members disqualified under the law from standing for re-election from the same seat they were representing before the disqualification.

Q140.

- Statement 01 is correct, The Chief of Defence Staff of the Indian Armed Forces is the head and the highest-ranking officer of the Indian Armed Forces. CDS is first among equals, he enjoys the rank of Secretary within the Department of Military Affairs.
- Statement 02 is incorrect, the government of India in June 2022 amended service rules of the armed forces making all serving and recently retired three-star officers — Lt General, Air Marshal and Vice Admiral — under the age of 62 eligible for the post.
 - o The new rules mean that the recently retired chiefs of services will not be considered due to the upper age limit of 62.

- Statement 03 is correct, The age limit for the CDS' post is 65 years with no fixed tenure defined, unlike for the Service Chief which is three years of tenure or 62 years of age.

Q141.

- The 2022 National Games of India will be the 36th edition of the National Games of India and the official motto of the games is "Celebrating unity through sports".

Q142.

- Service area approach (SAA) is a developed version of the 'area approach' structure of the Lead Bank Scheme.
- Under the SAA plan, each commercial bank/RRB branch in a rural and semi-urban area is designated to serve 15 to 25 villages for the planned and orderly development of the areas.
- The Lead Bank Scheme is a scheme introduced in 1969 which aims at providing adequate banking and credit in rural areas through a 'service area approach'.
- Under the Scheme, the service area approach was introduced in 1989 for the planned and orderly development of rural and semi-urban areas.

Q143.

- Statement 1 is not correct, Every phone or mobile broadband device has a unique 15-digit code called the International Mobile Equipment Identity (IMEI) that precisely identifies the device.
- Statement 2 is correct, Mobile phone manufacturers assign IMEI numbers to each device based on ranges allotted to them by the Global System for Mobile Communications Association.
- Statement 3 is correct, Dual SIM phones will have two IMEI numbers.

Q144.

- Statement 1 is correct, The Pacific Island Countries are a group of 14 islands that are located in the tropical region of the Pacific Ocean between Asia, Australia and the two Americas.
- Statement 2 is correct, Despite these countries being some of the smallest and least populated countries, they have some of the largest Exclusive Economic Zones (EEZs) in the world.
 - o Some of them have Exclusive Economic Zones larger than that of India.
- Statement 3 is correct, Due to the remoteness of these States from major population centres of the world and the Soviet Union, a few major nuclear weapon test centres of the nuclear powers such as the U.S., the U.K. and France were located in these countries.

Q145.

- Statement 1 is correct, Interest rates on small saving schemes are reset on a quarterly basis, in line with the movement in benchmark government bonds of similar maturity.
- Statement 2 is not correct, The interest earned by the depositors through Small Savings Schemes is fixed.
- Statement 3 is correct, All deposits under small savings schemes are credited to the 'National Small Savings Fund' (NSSF).

Q146.

- The current account deficit is a measurement of a country's trade where the value of the goods and services it imports exceeds the value of the goods and services it exports.
- Government can reduce the Current Account Deficit by devaluing the domestic currency and by adopting suitable policies which attract greater FDI and more funds from FII's.
- Reduction in the export subsidy actually hampers export growth thereby negatively impacting the Current Account Deficit.

Q147.

- The Action Plan for Prioritization and Implementation of Cooperation Areas in the Nuclear Field was signed between India and Russia on 5th October 2018 in New Delhi.
- The two countries intend to develop a project of six nuclear power units of Russian design at a new site in India, further enhance cooperation in the third countries and bring in new prospective nuclear technologies together with joint construction of nuclear power plants.

MAINS PRACTICE QUESTIONS

GS Paper 1

Social Issues

1. Cities expand at a rapid rate and eat into resources such as water available in rural areas leading to urban-rural water conflicts. Substantiate. (10 Marks, 150 Words)
2. Discuss the measures taken by the International organisations and the Indian Government to promote equal pay for work of equal value to close the gender pay gap. (15 marks; 250 Words)
3. What do you understand by conversion therapy? Should it be criminalized? Examine. (10 Marks, 150 Words)
4. In the context of the Sittanavasal murals, discuss the measures to mitigate the irreversible damage to our heritage? (150 words, 10 marks)

Health

1. India accounts for approximately 20,000 rabies-related human deaths each year out of the 59,000 global deaths. In the light of the statement, explain measures taken by the government and the major impediments in rabies elimination. (10 Marks, 150 Words)
2. In light of the Dolo scandal, the relationship between the medical profession and the pharmaceutical industry has provoked intense scrutiny. Discuss the measures taken to prevent unethical practices by pharma firms. (10 Marks, 150 Words)
3. Despite a series of efforts, the problem of human rabies remains a big challenge in India. What are the significant reasons behind this? (250 words; 15 marks)
4. Do you think that pictorial warnings on tobacco products discourage people from their consumption? Discuss. (250 words; 15 marks)

Education

1. Even as compared to similar sized economies, India's expenditure on education seems dismally low. Elaborate. (250 words; 15 marks)

GS Paper 2

Polity and Governance

1. Corporate-NGO partnership on the CSR front not only helps companies create an image or brand as a socially responsible corporate but also helps them to serve society better. Elucidate. (15 Marks, 250 Words)
2. Colonial legacy lies in colonial era laws as well and not just in colonial-era infrastructure. Elaborate. (250 words; 15 marks)
3. Considering the large number of pending cases in the courts in India, discuss the merits and demerits of the idea of increasing the retirement age of judges in the country. (250 words; 15 marks)
4. Cooperative federalism has the potential to solve a plethora of underlying problems for both, the centre and the states in India. (250 words; 15 marks)
5. What role have the schemes such as midday meal played in increasing the gross enrollment ratio across the schools in the country? Also identify some of the lacunas that exist in this scheme. (250 words; 15 marks)

6. Prisoners in India have a disproportionately high rate of mental ill-health. Suggest an action plan to promote and protect mental health and well-being and enable those with existing conditions to function better in the prison environment. (15 marks; 250 Words)
7. Is the essential religious practice doctrine flawed? Critically examine. (250 words, 15 marks)
8. The Governor of a state wears two hats, and therefore, dilemmas have arisen in practice. Comment. (10 Marks, 150 Words)
9. Critically evaluate the need for inner party democracy in India's political system. (250 words; 15 marks)
10. Critically evaluate the draft Indian Telecommunication Bill, 2022. (10 Marks, 150 Words)

International Relations

1. "India's recent engagement with Russia has demonstrated a unique and independent foreign policy". Analyse. (15 marks, 250 words)
2. Relations with Bangladesh still remain the brightest spot in India's neighbourhood diplomacy. Elucidate. (250 words; 15 marks)
3. Soft diplomacy has the potential to open the doors between India and Pakistan. Elucidate. (250 words; 15 marks)
4. Critically examine the latest developments in India – Bangladesh relationship. (250 words; 15 marks)
5. If India is to become a defence power, then an Indo- U. S. military collaboration in every field is necessary. Examine. (10 Marks, 150 Words)
6. Assess the role played by India in ensuring a worldwide availability of the Covid-19 vaccine at affordable prices. (250 words; 15 marks)
7. How will imposing a price cap on oil purchases from Russia help? Will it impact India? Discuss. (10 Marks, 150 Words)
8. The G20's presidency presents an opportunity for India to further its agenda of bringing the developed and developing world together. Elaborate. (250 words; 15 marks)
7. In the context of the present geopolitical landscape, 'All-Alignment' holds key for India. Discuss. (15 marks, 250 words)
8. The Nordic model of social democracy offers lessons to the developing world, including countries like India despite the myriad complexities of diversities. Substantiate. (250 words, 15 marks)
9. What are the reasons behind the recent clashes between Kyrgyzstan and Tajikistan? What interests does India have in the region? (250 words; 15 marks)
10. Explain how states are increasingly using sports mega-events as part of their 'soft power' strategies. (10 Marks, 150 Words)
11. With the devastating effects of climate change visible, riparian states across the world must comply with all the procedural duties pursuant to the 'no harm rule'. Examine. (10 Marks; 150 Words)
12. "There is an energy war looming in Europe". Elucidate. (150 words; 10 marks)

Social Justice

1. Assess the progress made by the Government of India in ensuring rights to the LGBTQI+ community since Independence. (250 words; 15 marks)
2. What are social audits? In the context of the recent concerns raised by the Ministry of Rural Development, do you believe we need to make this framework more robust? (15 marks, 250 words)
3. In light of the recent judgment of the Supreme court, discuss the issues surrounding abortions in India? (150 words; 10 marks)

GS Paper 3**Economy**

1. What is the Extended Fund Facility of the IMF? What conditionalities are usually imposed by the IMF on the member nations in exchange of EFF? (250 words; 15 marks)
2. "Nano Urea has the potentiality to make India self-sufficient in the agro-fertilizers sectors". Elucidate.(15 marks, 250 words)
3. Inflation in India is usually categorised as Cost-Push inflation and not Demand Pull. Identify the differences between the two and the reasons why India faces the former. (250 words; 15 marks)
4. Farmer's organizations and apple growers are holding protests in the State of Himachal Pradesh. Discuss the possible reasons and suggest corrective measures. (10 Marks, 150 Words)
5. What role does the Monetary Policy Committee play in controlling inflation in the country? Assess the performance of the MPC in this regard. (250 words; 15 marks)
6. India's logistics sector has remained fragmented and unregulated, despite its centrality to economic growth. In the light of the statement, write a note on National Logistics Policy and explain how it will be bring down costs and streamline rules. (15 Marks; 250 Words)
7. What is Shrinkflation? How does it create a new challenge for macro-economic accounting? (10 marks; 150 words)
8. India's path to becoming a significant player in the semiconductor chip industry is filled with stumbling blocks. Discuss. (250 words; 15 marks)
9. How is the government planning to exploit India's true potential as a tourism hub for people across the world? (250 words; 15 marks)
10. 'The Labour Bureau's AQEE survey is indicative of post COVID-19 economic recovery'. Discuss. (150 words, 10 marks)
11. The technological development, which has made banking easier, has also led to a slowdown in the hiring of staff at banks. Substantiate. (10 Marks; 150 Words)

Environment and Ecology

1. Just banning them won't be enough to cut down the usage of single use plastic in India. Elaborate. (250 words; 15 marks)
2. The controversy surrounding the Vizhinjam port project highlights the need to put port development with coastal management on a sustainable track. (250 words; 15 marks)
3. India is fast emerging as the world's biggest hope in the field of renewable energy. Comment. (250 words; 15 marks)
4. Extending the deadline for installing pollution control technologies in the country's Thermal Power Plants (TPPs) may further aggravate pollution. Examine. (10 Marks; 150 Words)

Science and Technology

1. "Hybrid Propulsion Systems are the future of space technology" Elucidate. (10 marks; 150 words)
2. "The Rohini RH-200 rockets were the stepping stone to our space programme". Elucidate. (150 words, 10 marks)
3. 'NASA's DART program has the potentiality to avert the extinction of the humankind on Earth'. Elucidate. (150 words, 10 marks)

Defence and Security

1. Cyber warfare deserves as much attention from the Government as does the other orthodox warfare in today's time. Elucidate. (250 words; 15 marks)

2. Assess the progress made by the Government of India in achieving its defense indigenization goal. (250 words; 15 marks)
3. Explain with relevant examples how elite forces in States have been able to crack down on naxal activities. (10 Marks, 150 Words)

Disaster Management

1. Urban floods are becoming increasingly common in India due to various reasons. Elaborate on these reasons and the methods to curtail this problem. (250 words; 15 marks)

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