

R.C. Reddy IAS Study Circle
CURRENT AFFAIRS TEST SERIES- CSE PRELIMS 2024
CURRENT AFFAIRS TEST-7 - (July - 2023)

Test Solutions

Q1. Ans: B

Exp:

The 97th Constitutional Amendment Act of 2011 gave a constitutional status to cooperative societies and made the following three changes in constitution:

1. Right to form co-operative societies was made a fundamental right (Article 19(1) (c))
2. It included a new Directive Principle of State Policy on promotion of co-operative societies (Article 43-B)
3. It added a new Part IX-B in the Constitution which is titled "The Co-operative Societies" (Articles 243·ZH to 243·ZT).

Co-operative Societies are a part of List 2 (State List). As the 97th Amendment wasn't passed through ratification of half of state legislatures, Supreme Court, after due litigation has declared that provisions of Part IX B are applicable only to Multi-State Co-operative Societies, both within various states or Union Territories.

Q2. Ans: C

Exp:

GST Council is a constitutional body introduced through 101st Constitutional Amendment Act, 2016 by adding the article 279A. It subsumed most of the indirect taxes levied by states to give effect to One Nation One Tax.

One half of the total members of GST Council shall constitute the Quorum at its meetings.

Any decision made by the GST Council has to be approved by 3/4th of the weighted votes of all members present and voting. The Center's share of weight is 1/3rd, while that of states is 2/3rd. This in effect gives a Veto to the Centre on decisions of GST Council.

GST Composition Scheme is an alternative method of levy of tax designed for small taxpayers whose turnover is up to Rs. 75 lakhs (Rs. 50 lakhs in case of few States).

Q3 Ans: B

Exp:

Union Minister of Ports, Shipping & Waterways and Ayush, Shri Sarbananda Sonowal today launched a campaign to transform 75 historic Lighthouses into Tourism Spots when he inaugurated three revamped lighthouses in Dwarka, Gopnath & Veraval that were transformed as tourist destinations.

Q4. Ans: B

Exp:

India is the 2nd largest producer and consumer of coal after China. India has 5th largest reserves of coal in the world.

India is the world's largest importer of coking coal. Coking coal is a high-quality coal that is low in impurities, has a high carbon content and low Sulphur content.

Coking coal is used in metallurgical processes. Imports constitute around 85% of the country's total coking coal requirement. China is largest producer of coking coal.

Q5. Ans: C

Exp:

Established in 1949, the ICAI has been the statutory body responsible for regulating the chartered accountancy profession in India. Governed by the Chartered Accountants Act, 1949 it is the national professional accounting body of India.

In 2018, recognizing the need for an independent regulatory body to oversee auditors and ensure compliance with accounting standards, the Indian government established the National Financial Reporting Authority (NFRA) under the Companies Act, 2013.

Q6. Ans: D

Q7. Ans: C

Exp:

Polar motion is the phenomenon of natural shifting of earth's poles and axis.

The water sucked out from the ground for irrigation and meeting the world's freshwater demands, eventually, goes into the oceans. Groundwater extraction is one of the major contributors to the global sea level rise.

The Jal Shakti Abhiyan was established to develop various Water Conservation Plans for Blocks and Districts.

Q8. Ans: B

Exp:

A low Pressure over Tibetan plateau develops in summer due to heating and this helps South Western monsoons enter into a Indian subcontinent. If the snow doesn't melt on Tibetan plateau, sufficient low pressure is not created.

Somali Jet flows from Somalia to Madagascar in Winters. During summers, there is a reversal in it's direction and it flows from Madagascar High towards Arabian Sea. This reversal in Summers helps Indian Monsoon.

Tropical Easterly Jet is formed over latitudes 5-20N, in the Summer after Sub Tropical Jet stream shifts northwards, and helps maintain a low pressure on the Indian subcontinent which helps Indian Monsoon.

A positive Indian Ocean Dipole creates warm waters in the western Indian Ocean. This is good for Indian monsoons as it provides more moisture to be carried into Indian subcontinent.

Q9. Ans: A

Exp:

First sermon was given at Sarnath and called Dhamma Chakra Pravartana and is symbolized by Roaring lions.

Tripitakas, the early Buddhist texts were written in Pali.

Future Buddha will be called Maitreya. Avalokitesvara is a Bodhisattva.

Q10. Ans: C

Exp:

It is ISRO's first manned space mission. Mission will make India 4th country to have human spaceflight capability after US, Russia and China. It will bring them back safely to earth, by landing in Indian sea waters. Mission includes three space flights: two unmanned 'Abort missions' to test for crew safety, followed by the manned space journey. First trial (uncrewed flight) for Gaganyaan is being planned by the early 2024. This will be followed by sending Vyom Mitra, a humanoid and then with the crew onboard. It will take off on a Launch Vehicle Mk-III (LVM 3 rocket) previously known as GSLV Mk III.

Q11. Ans: A

Constitution provides no specifications regarding composition and tenure of Parliamentary Committees.

Members of Standing Committees are nominated by the Speaker and Chairman. Members of Financial committees are elected through PRSTV. UCC is mentioned in Art 44 of Part IV of Indian Constitution and it is a liberal DPSP.

Q12. Ans: B

Exp:

The strength of State Council of Ministers has not been specified in the Constitution of India. Strength of Council of Ministers is that total ministers, including Chief Minister, should not exceed 15% of total strength of state legislative assembly of that state and this has been mentioned in the Anti Defection Law.

When Legislative Assembly passes no confidence motion against Council of Ministers, then all ministers have to resign, including Ministers of legislative council.

Q13. Ans: A

Exp:

The IUCN status of Asian Elephants is Endangered. They are protected under Wildlife Protection Act, 1972 - Schedule 1.

Elephants are considered a "Keystone Species" as they play a critical role in maintaining the balance and health of forest ecosystems.

Karnataka has the highest number of Elephants in India.

Q14. Ans: B

Exp:

Artemis accords were signed for setting common principles to govern civil exploration and use of outer space.

Along with US Space administration and NASA the other founding members are Australia, Canada, Italy, Japan, Luxembourg, the United Arab Emirates, and the United Kingdom.

National Aeronautics and Space Administration (NASA) and Indian Space Research Organisation (ISRO) will collaborate to send Indian astronauts, trained at the Johnson Space Center in Houston, Texas, to the International Space Station (ISS) in 2024.

Q15. Ans: D

Exp:

India's Giant Metrewave Radio Telescope (GMRT) was among the world's six large telescopes that played a vital role in providing this evidence for gravitational waves.

GMRT is a low-frequency radio telescope consisting of an array of 30 fully steerable parabolic radio telescopes of 45-meter diameter.

GMRT detects gravitational waves by using pulsars-the only accessible celestial clocks for humans, which are rapidly rotating neutron stars. Pulsars are rapidly rotating Neutron stars. Pulsar timing arrays (PTAs) are distributed across the sky, GMRT can look for tiny variations in their pulse arrival times caused by gravitational waves passing through the Earth-pulsar line of sight. This technique is known as pulsar timing.

Q16. Ans: A

Exp:

Department of Telecommunications (DoT) under the Ministry of Communications launched the Bharat 6G Alliance (B6GA) to foster innovation and leadership in 6G technology.

6G technology is expected to offer speeds up to 100 times faster than 5G.

It seeks to utilize the terahertz band of frequency. Terahertz waves fall between infrared waves and microwaves on the electromagnetic spectrum.

Q17. Ans: D

Exp:

DAY – NRLM under Ministry of Rural Development has recently launched eSARAS portal and app for providing an online marketplace to products made by women of SHGs.

Q18. Answer: d

Exp:

National Security Advisers of India, Mauritius, and Sri Lanka, along with delegates from Seychelles and Bangladesh, convened in Mauritius for the sixth NSA-level meeting of the

Colombo Security Conclave. (CSC)

India, Sri Lanka and Maldives are the founding members of this Conclave. Mauritius was inducted as the fourth member. Bangladesh and Seychelles have observer status.

Q19. Ans: D

Exp:

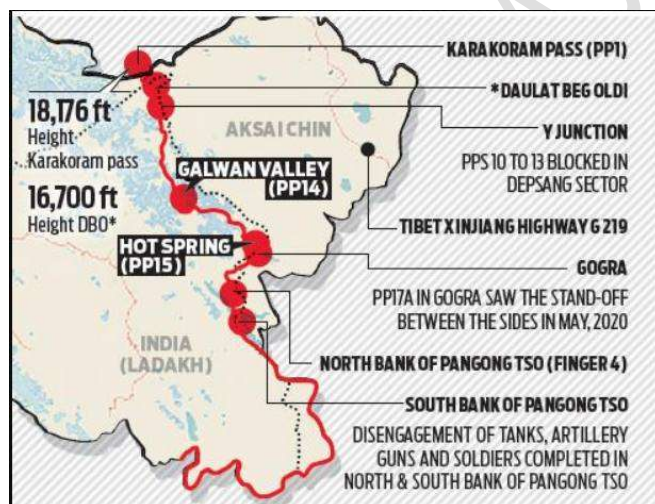
Presiding officer can take up a defection case only when he receives a complaint from a member of the House. Defection has no immediate and automatic effect.

Provisions in 10th Schedule w.r.t exemption from disqualification in case of split by 1/3rd members of legislature was deleted by 91st CAA of 2003. Defectors have no more protection on grounds of splits.

If a member goes out as a result of a merger of party with another party, he is exempted from defection proceedings, if two-thirds of the members of the party have agreed to such merger. This was introduced through 91st CAA, 2003.

Q20. Ans: B

Exp:



Q21. Ans: C

Exp:

All executive actions of govt of a state in his name. The Council of Ministers hold office during the pleasure of the Governor.

Constitution lays that for a person to be eligible to become a Governor, he/she must have completed 35 years of age.

Right from Shamsher Singh's case in 1974, authored by seven judges of the Supreme Court, and subsequently in S R Bommai (1994) and Shivraj Singh Chouhan (2020), the law is that in this and other matters, the governor must act on the aid and advice of the Council of Ministers.

Q22. Ans: C

Exp:

The 73rd Constitutional Amendment Act, 1992 provides for reservation of seats for SC, STs and Women in PRIs, but reservation of seats for OBCs is left for State Legislature to decide.

Panchayat constituted upon dissolution of a previous panchayat, before expiration of its duration shall continue only for the remainder of period. It shall not be necessary to hold any election for constituting new panchayat: WHERE remaining time (for which the dissolved panchayat would have continued) is less than six months.

In scheduled areas where PESA applies, reservation for ST shall not be less than one-half of the total number of seats. - All seats of Chairpersons of Panchayats at all levels shall be reserved for the Scheduled Tribes.

Q23. Ans: D

Exp:

Alluri Seetarama initiated the famous "Rampa Rebellion" or Manyam Rebellion in 1922-1924. The rebellion coincided with Mahatma Gandhi's Non-Cooperation Movement. Raju admired Gandhi and promoted his ideas of wearing khadi (homespun cloth) and giving up alcohol. But he believed that India could only be liberated through use of force.

Q24. Ans: B

Exp:



Q25. Ans: A

Exp:

President summons the members for Parliament sessions from time to time. Constitution prescribes that maximum gap between two sessions of the Parliament shall not exceed 6 months. The number of sessions of Parliament that should be held in a year are not prescribed by the constitution.

Q26. Ans: C

Iran has officially joined SCO as the Ninth Member country.

Q27. Ans: A

Exp:

The NRF will be an apex body to provide high-level strategic direction to scientific research in India, aligning with the recommendations of the National Education Policy (NEP), 2023.

India barely spends 0.7 per cent of its GDP on research and development. About 56% of R&D spending comes from the government and 35% from the private sector.

The NRF will be presided by the Prime Minister and consist of 10 major directorates, focusing on different domains of science, arts, humanities, innovation and entrepreneurship.

Q28. Ans: A

Exp:

The tenure of CAG is fixed as 6 years or till he/she attains 65 years of age.

CAG takes an oath before President before entering the office.

CAG is not eligible for reappointment or further appointments with the Government.

Q29. Ans: B

Exp:

Sampriti : Bangladesh

JIMEX : Japan

Ekuverin : Maldives

Table Top : Bangladesh

Indradhanush : UK

Q30. Ans: B

Exp:

Target set under National Hydrogen Mission, of producing at least 5 Million Metric Tonnes (MMT) of Green Hydrogen per annum by 2030.

42% of power generation capacity of India today is based on non-fossil-fuels and we are on track to overachieve the target of 50% capacity from non-fossil fuels by 2030.

Green Hydrogen can also be useful in internal Combustion Engines.

Q31 Ans: A

Exp:

The initiative was organised by the Khadi and Village Industries Commission (KVIC).

KVIC is a statutory body established under the Khadi and Village Industries Commission Act, 1956. It functions under Ministry of MSMEs.

Q32. Answer : b

Exp:

A group of 12 countries in 1995 formed the Uniting for Consensus, dubbed as the Coffee Club, to jointly oppose the expansion of UNSC, which they contend will dilute the power. These include Italy, Spain, Malta, San Marino, Pakistan, South Korea, Canada, Mexico, Argentina, Colombia, Costa Rica & Turkey.

Q33 Ans: C

Exp:

India, the world's third-largest consumer of crude oil, depends on imports to meet over 85 per cent of its oil needs.

TOP-FIVE SUPPLIERS OF CRUDE OIL TO INDIA*

SUPPLYING NATION	OIL IMPORT VOLUME (million barrels)	OIL IMPORT VALUE (\$ million)	AVG LANDED PRICE (\$/barrel)	MARKET SHARE BY VOLUME
Russia	496.39	39587.81	79.75	24.2%
Iraq	431.77	38258.55	88.61	21%
Saudi Arabia	336.07	33086.99	98.45	16.4%
UAE	176.81	18100.4	102.37	8.6%
USA	122.97	11100.12	90.27	6%

Based on analysis of data from the Directorate General of Commercial Intelligence and Statistics (DGCI&S), Ministry of Commerce, Government of India.

*April 2022-May 2023

Q34. Answer: b

The cattle fence, constructed using bamboo, offers a fully effective and environmentally friendly solution. The bamboo is treated with creosote oil and coated with HDPE, making it a stronger alternative to steel. Creosote oil, which is a product obtained by distilling tar and is used as a preservative for wood.

Q35. Ans: C

Exp:

A ferocious class of black holes called quasars demonstrate “time dilation” in the early universe. Quasars are extremely active supermassive black holes surrounded by a glowing disk of matter. Quasars’ brightness allows scientists to study the early stages of the universe, as they can be observed from great distances.

Scientists compared the brightness of these ancient quasars to the brightness of quasars we see today. They found that certain changes that happen in quasars today happened five times slower in the ancient ones. This tells us that time used to pass more slowly in the early universe compared to now.

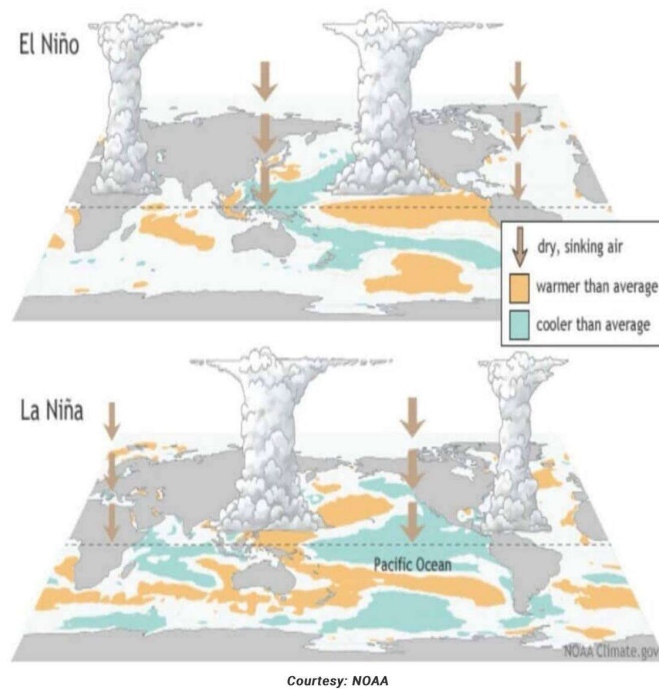
Q36. Ans: C

Exp:

WMO is a specialized agency of UN. The exchange and processing of the meteorological data are carried out under programs coordinated by the World Meteorological Organization (WMO).

El Nino results in warm waters along the Chile and Peru coasts. This causes heavy rainfall there.

Monitoring El Niño-La Niña Phenomenon



Q37. Answer: b

Exp:

WHO in 1959 defined Zoonoses as “those diseases and infections which are naturally transmitted between vertebrate animals and man.”

Diabetes and Cholera are not zoonotic diseases.

Even though malarial pathogen is transmitted through mosquito (which is an invertebrate), the pathogen originally comes from Monkey and other mammals. Mosquitoes only are the vectors.

Q38. Ans: B

Exp:

Biodiversity Management Committees (BMC) main function of the BMC is to prepare People's Biodiversity Register in consultation with the local people.

Not less than one third of the members of the BMC should be women.
Not less than 18% of the members of the BMC should belong to SC/ST.

Q39. Ans: A

Exp:

Indian Navy is conducting “Julley Ladakh” (Hello Ladakh), an outreach programme to Ladakh to increase awareness about the service in the pristine state and to engage with youth and civil society there.

Q40. Answer: a

Exp:

Government of India and Government of Kenya will be co-hosting ‘India-Africa International Millet Conference’ in Kenya on 30-31 August 2023 with support of International Crops Research Institute for the Semi-Arid Tropics (ICRISAT).

The Headquarters of ICRISAT (International Crops Research Institute for the Semi-Arid Tropics) are located in Hyderabad, India.

Acting on India’s proposal, the United Nations General Assembly declared the year 2023 as the ‘International Year of Millets’

Q41. Ans: D

Exp:

As part of the long-term measures to achieve internationalisation of the rupee, an RBI panel suggested inclusion of the rupee in SDR (Special Drawing Rights) basket. The SDR is an international reserve asset created by the IMF (International Monetary Fund) to supplement the official reserves of its member countries. The value of the SDR is based on a basket of five currencies—the U.S. dollar, the euro, the Chinese renminbi, the Japanese yen, and the British pound sterling.

Masala bonds issuances, expansion of RTGS (Real Time Gross Settlement) system for settling international transactions, use of the existing bilateral and multilateral payment and settlement mechanisms, such as ACU (Asian Clearing Union), bilateral swaps contribute to internationalization of Rupee.

Masala Bonds, named after the vibrant spices of India, are debt instruments issued outside India but denominated in Indian Rupees.

A maharaja bond is an onshore rupee-denominated debt instrument issued by IFC in 2014. This was followed by the issuance of masala bonds.

Q42. Ans: B

Exp:

The NGT has been granted “unique” forum status by the Supreme Court, which empowers it with suo motu (on its own motion) powers.

NGT is not bound by the procedural rules outlined in the Code of Civil Procedure 1908, it is guided by the principles of natural justice.

Q43. Answer: a

Exp:

ECI expands electoral collaboration; after MoU with Brazil-Chile-Mexico, Panama is the fourth Latin American Nation to sign MoU with ECI.

Election Commission of India and Electoral Tribunal (ET) of Panama today signed a Memorandum of Understanding in Panama City to establish the institutional framework for their ongoing cooperation in the field of election management and administration.

ECI delegation will be attending the 11th Executive Board Meeting of A-WEB and an International Conference at Cartagena, Colombia. The Association of World Election Bodies (A-WEB) is the largest association of Election Management Bodies (EMBs) worldwide with 119 EMBs as Members.

Constitution doesn't debar retiring ECs from further appointments.

Q44. Ans: C

Exp:

The India France joint Naval exercise was initiated in 1993 and christened as ‘Varuna’ in 2001. Garuda and Shakti are the joint exercise of Airforce and Army respectively.

Q45. Ans: D

Exp:

Performance Grading Index 2.0 is released by Ministry of Education.

PGI 2.0 structure comprises of 1000 points across 73 indicators grouped into 2 categories viz., Outcomes, Governance Management (GM). These categories are further divided into 6 domains, viz., Learning Outcomes (LO), Access (A), Infrastructure & Facilities (IF), Equity (E), Governance Process (GP) & Teachers Education and Training (TE&T).

PGI assesses the performance of the school education system at the district level.

Q46. Ans: C

Exp:

National Electrical Code of India 2023 (NEC 2023) is a comprehensive electrical installations Code prepared by BIS providing guidelines for regulating Electrical Installations practices nationwide.

Central Electricity Authority (Measures relating to Safety and Electric Supply) Regulations 2010 mandates following the National Electrical Code for electrical installations.

Q47. Ans: C

Exp:

Outstanding performance by India in United Nations Economic and Social Commission for Asia Pacific's (UNESCAP) Global Survey on Digital and Sustainable Trade Facilitation.

The survey is categorized into eleven sub-groups, namely: Transparency; Formalities; Institutional arrangement and cooperation; Transit facilitation; Paperless trade; Cross-border paperless trade; Trade facilitation for SMEs; Agricultural trade facilitation; Women in trade facilitation; Trade finance for trade facilitation; and Trade facilitation in times of crisis.

Q48. Ans: C

Exp:

Dark patterns refer to deceptive design techniques used to manipulate or deceive users into making choices that benefit the company.

They are prohibited under the Consumer Protection Act 2019.

The Department of Consumer Affairs and the Advertising Standards Council of India (ASCI) have held a joint consultation on the issue of 'dark patterns.'

Q49. Ans: C

Exp:

The high seas treaty is an agreement under UNCLOS,

It deals with Establishing marine protected areas and to protect Marine Biodiversity of Areas Beyond National Jurisdiction (BBNJ)

Q50. Ans: B

Exp:

PM PRANAM (PM Programme for Restoration, Awareness, Nourishment and Amelioration of Mother Earth) aims to promote natural, and organic farming, rejuvenate soil productivity, boost farmer incomes and ensure food security in the country.

Urea is not included in Nutrient based Subsidy scheme. Urea is sold in a price control regime while other fertilizers are decontrolled. In a decontrolled regime the retailers fix the price, but the government provides NbS. NbS is administered by Ministry of Chemicals and Fertilizers.

Q51. Ans: A

Exp:

Department for Promotion of Industry and Internal Trade (DPIIT) and Invest India, in collaboration with the Toy Association of India, organized a roundtable interaction on “Exploring the India Toy Story”. Toy exports rose by a staggering 240% in the period from 2014 to 2023, coupled with a significant 52% reduction in toy imports into the country during the same period.

Channapatna, these toys are traditionally made using wood from the *Wrightia tinctoria* tree, also commonly known as ivory wood.

Unlike the wooden toys and dolls, Ganjifa cards are a card game and were certified a GI tag in 2008. Ganjifa the card game is believed to have originated in Persia. They are now made in Karnataka.

Q52. Ans: B

Exp:

Induced breeding and reproduction in Indian Major Carps by Hypophysation technique, began in 1957, which eventually lead to a revolution in Inland Aquaculture. Hypophysation is a technique whereby ripe fish brooders are stimulated by pituitary hormone introduction to spawn in captive condition. Injected pituitary gland extract bypasses the brain-pituitary lin, acting directly on the ovaries and testes, providing the surge in blood GtH levels that normally precede spawning.

India is the world's second-largest fish producer with exports worth more than Rs 47,000 crore.

State of World Fisheries and Aquaculture reports is prepared by Food and Agriculture Organisation.

Q53. Answer:

Exp:

Cluster munition is a bomb that opens in the air and releases smaller "bomblets" across a wide area.

Cluster munitions have had a high dud rate, which meant that thousands of the smaller unexploded bomblets remained behind and killed and maimed people decades later.

Q54. Ans: C

Exp:

The use of the rupee in cross-border transactions mitigates currency risk for Indian businesses. It provides protection from currency volatility.

Maintaining foreign exchange reserves helps in managing exchange rate volatility but they impose a cost on the economy. Internationalisation of the rupee reduces the need for holding foreign exchange reserves. Reducing dependence on foreign currency makes India less vulnerable to external shocks.

As the use of the rupee becomes significant, the bargaining power of Indian businesses would improve and improve the ease in foreign trade.

INTERNATIONALIZING ₹	
Pros:	Cons:
<ul style="list-style-type: none">• Will ease foreign trade, aid capital flows• Mitigate exchange rate risks• Reduce dependence on FX reserves	<ul style="list-style-type: none">• Complicates monetary policy• Exchange rate stability is challenging• Could bring uncontrolled capital flows

Q55. Ans: D

Exp:

A panel report indicates that more than 70 per cent of the Yamuna's pollution burden originates in the capital.

High amount of Organic matter requires high amount of Oxygen to decompose it. Therefore, high BOD indicates high levels of organic matter in the water body.

Yamuna originates in the Bandarpunch Glacier in Uttarakhand.

Hindon River is an Indian river in that originates from the Shakumbhari devi range (Upper Sivaliks) in Saharanpur district of Uttar Pradesh and falls into Yamuna river in Noida.

Q56. Ans: C

Exp:

It's a brain-eating amoeba found in warm freshwater environments such as lakes, rivers, and springs. It cannot survive in saline conditions, and is therefore not found in seawater. It enters through nose and usually causes fatal brain infection.

Q57. Answer: b

Exp:

Typhoid is a bacterial disease caused by the Salmonella Typhi.

Cholera is an acute diarrhoeal infection caused by ingestion of food or water contaminated with the bacterium Vibrio cholerae.

Q58. Answer: b

Exp:

Free Trade Agreement (FTA) negotiations between India and the UK are ongoing but our minister will also be meeting with ministers from the European Free Trade Association (EFTA) member countries to discuss the progress of the Trade and Economic Partnership Agreement (TEPA) with EFTA.

EFTA member countries are Switzerland, Norway, Iceland, and Liechtenstein.

CEPA is a comprehensive agreement between India and the United Arab Emirates that seeks to enhance the economic and commercial ties between the two countries.

Q59. Ans: C

Exp:

Nari Adalats that are women-only courts at the village level as an alternate dispute settlement mechanism. The courts will focus on resolving cases related to domestic violence, property rights etc

Nyaya Sakhis” will be nominated or selected by the gram panchayat who will act as the legal friends to women in need.

Mission Shakti is an integrated women empowerment programme at strengthening interventions for women safety, security and empowerment

Mission Shakti has two sub-schemes:

Sambal: for safety and security of women

Samarthya: for empowerment of women

Q60. Ans: C

Exp:

China has announced export controls on items related to gallium and germanium

Gallium is used to make the substrate for semiconductors. This is a key component in the manufacture of integrated circuits, mobile and satellite communication chips, LEDs etc. It is also used in the sensors of space and defence systems.

Germanium also finds a similar application. It is used in fibre-optic cables, infrared imaging devices, optical devices and solar cells.

Taiwan is the world leader in semiconductor manufacturing, producing more than 60% of the world's chips.

Q61. Answer: b

Exp:

Central Cottage Industries Corporation of India Ltd. (CCIC), a Public Sector Undertaking under the Ministry of Textiles.

Open Network for Digital Commerce (ONDC). It is an initiative of Department for Promotion of Industry and Internal Trade (DPIIT) under the Ministry of Commerce and Industry.

Q62. Answer: b

Exp:

National Remote Sensing Centre (NRSC) under the Indian Space Research Organisation (ISRO) released the Landslide Atlas of India.

Cloudburst is one the main reasons behind flash floods in hilly regions. It is a spontaneous and very heavy rainfall that is localised in nature over a short time period.

Q63. Answer: a

Exp:

Punjab Agricultural University has developed a high-yielding new wheat variety of wheat, with high amylose starch which is known to reduce risks of type-2 diabetes and non-vascular diseases.

In Type 1 diabetes, pancreas cannot create insulin whereas in type 2 diabetes the body is unable to make enough insulin or the insulin may not work properly.

Q64. Answer : c

Under the Namami Gange Programme, the turtle breeding and rehabilitation centre in Varanasi has released thousands of turtles into the Ganga river to aid in its cleanup efforts. The turtles, which feed on organic waste and help improve water quality, are nurtured at the centre before being released.

Q65. Answer : d

Exp:

Lambani art is textile embellishment practiced by Lambani community of Karnataka. Sandur Lambani Embroidery of Karnataka has a GI tag.

Q66. Answer : b

Exp:

Unified Logistics Interface Platform was launched in 2022 as a part of the 'National Logistics Policy (NLP)'. It provides real-time monitoring of cargo movement. It's a single window logistics platform for end-to-end visibility.

Logistics Performance Index is published by World Bank.

Logistics Ease Across Different States (LEADS) Report is published by Ministry of Commerce.

Q67. Answer : c

Exp:

NABARD is a nodal refinancing agency for PACS including other cooperative banks. PACS have the capacity to extend credit with minimal paperwork within a short time.

PACS are governed by respective state governments.

Presently, more than 86% of farmers in the country are small and marginal.

Q68. Answer : a

Explanation :

The appearance based e-Quality detection system for 14 types of pulses (Grain-Ex), would bring about a transformative change in the e-NAM markets for quality based pricing.

It is developed by MeitY.

Q69. Answer : b

Explanation :

Ayushman Bharat is a Centrally Sponsored Scheme.

Pradhan Mantri Jan Arogya Yojana (PM-JAY) – To provide a health cover of Rs. 5 lakhs per family per year for secondary and tertiary care hospitalization.

According to the World Bank, proportion of out-of-pocket expenditure on healthcare in India, at 50.59 %, is the highest among emerging economies.

Q70. Answer: b

Explanation :

Member-countries of the World Trade Organization (WTO) resurrected the dispute settlement system (DSS). The dispute settlement system (DSS) is a two-tiered system where the appellate body is the second tier. The appellate body hears appeals from WTO panels.

Q71. Answer : c

Explanation :

India is not a member of Organisation of Islamic Cooperation.

The OIC charter says, only 'constitutionally Islamic' countries that promote the organisation's goals are eligible for membership. Non-Muslim countries too can have observer status, if they fulfill conditions.

Q72. Answer : b

Explanation :

Both Ker Puja and Kharchi Puja festivals are festivals of Tripuri people. Ker puja is celebrated in Tripura to honor Ker, the guardian deity of Vastu Devata.

Q73. Answer : b

Explanation :

Non-Fungible Tokens are unique and are further not divisible.

ML is a subset of AI that involves the development of algorithms.

Turing test is a method of inquiry in AI for determining whether or not a computer is capable of thinking like a human being.

Q74. Answer : b

Explanation :

In collaboration with the Bureau of Indian Standards (BIS), DPIIT (Ministry of Commerce and Industry) has initiated the development of 64 new QCOs, covering 317 product standards including potable water bottles.

With the notification of the QCOs, manufacturing, storing and sale of non-BIS certified products are prohibited as per the BIS Act, 2016.

Q75. Answer : a

Explanation :

GST Council recommends notification of GST Appellate Tribunal by the Centre with effect from 01.08.2023

Without GSTAT, the litigant only could approach the jurisdictional High Court, in writ jurisdiction for relief.

GST Council is a constitutional body under Art. 279A established through 101st Constitutional Amendment Act.

Q76. Answer : a

Explanation :

Scheme for Capacity Building in Textiles Sector (SAMARTH) is a demand driven and placement-oriented umbrella skilling programme of the Ministry of Textiles

The Scheme aims to incentivize and supplement the efforts of the industry in creating jobs in the organized textile and related sectors, in addition to the entry level skilling.

Q77. Answer : c

Explanation :

All subatomic particles that constitute matter are called fermions.

Dirac equation, developed in 1928, predicted the existence of antiparticles for each particle.

In 1937, physicist Ettore Majorana discovered that certain particles could be their own antiparticles, leading to their classification as Majorana fermions.

Majorana zero modes utilise topological degeneracy, where a system can exist in multiple states at the lowest energy level.

Majorana zero modes have the potential to revolutionise quantum computing, offering enhanced computational power and reliability.

Q78. Answer: a

Exp:

Namdapha Tiger reserve is in Arunachal Pradesh.
Simlipal and Satkosia tiger reserves are in Odisha.

Q79. Answer: b

Exp:

It is an indigenous Differential Global Navigation Satellite System (DGNSS).
DGNSS is a terrestrial based enhancement system which corrects the errors and inaccuracies in the Global Navigation Satellite System (GLONSS) and GPS.

Q80. Answer: b

Exp:

Asiatic Cheetahs are extinct in India and are only found in Iran. African Cheetahs were introduced in Kuno National Park from Namibia.

Kuno river that passes through Kuno NP is a tributary of Chambal.

Q81. Answer: b

Exp:

Atal Vayo Abhyuday Yojana (AVYAY), introduced by the Ministry of Social Justice and Empowerment. It provides financial assistance to eligible organization's for running and maintenance of Senior Citizen Homes/ Continuous Care Homes.

Another component under the AVYAY Scheme is Rashtriya Vayoshri Yojana (RVY), to provide eligible senior citizens suffering from any of the age-related disability/ infirmity, with assisted living devices

Q82. Ans: C

Exp:

IIP and CPI are released by MoSPI every month.
Base year for IIP is 2011-12 whereas base year for CPI is 2012.

Q83. Ans: C

Exp:

The Protection of Plant Varieties and Farmers Rights Authority is a Statutory body under Ministry of Agriculture and Farmers Welfare. It provides for an effective system for the protection of plant varieties, the rights of farmers and plant breeders and to encourage the development of new varieties of plants.

It maintains National Register of Plant Varieties and National Gene Bank.

Q84. Answer: a

Exp:

Global Multidimensional Poverty Index (MPI) 2023 has been released by the United Nations Development Programme (UNDP) and the Oxford Poverty and Human Development Initiative (OPHI)

India progressed significantly in all the three deprivation indicators: Health, Education, Standard of living. Across three dimensions the indicators are health (child mortality, nutrition), education (years of schooling, enrollment), and living standards (water, sanitation, electricity, cooking fuel, modern assets).

A person is multidimensionally poor if she/he is deprived in one third or more of the weighted indicators.

Q85. Ans: C

Exp:

India is the largest producer (25% of global production), consumer (27% of world consumption) and importer (14%) of pulses in the world.

Q86. Ans: C

Exp:

LNG has a higher energy content per unit volume than natural gas in its gaseous form.

LNG takes up less storage space on a vehicle than CNG.

LNG produces less carbon dioxide than coal or oil.

Q87. Ans: C

Exp:

All tribes of Arunachal Pradesh include: Abor, Aka, Apatani, Dafla, Galong, Khampti, Khowa, Mishmi, Monpa, Momba, Any Naga tribes, Sherdukpen, Singpho”

There are no PVTGs in Arunachal. Odisha has the largest number of PVTGs.

Q88. Answer: b

Exp:

NOTTO (National Organ and Tissue Transplant Organization) under Ministry of Health has released new guidelines. Age limit for organ recipients is eliminated due to improved life expectancy.

Living donors constitute the majority, accounting for 85% of all donors in India.

Deceased organ donation in India has remained below 1 donor per million population, consistently for over a decade.

Q89. Answer: a

Exp:

The People's Republic of China became a full member of the United Nations in 1971, just in time to play a full part in the negotiations that resulted in UNCLOS. It signed the UNCLOS text in 1982 and ratified it in 1996.

USA is not a signatory to UNCLOS.

Scarborough Shoals are none of contention between China and Brunei.



Q90. Answer: d

Exp:

Bleaching events are not always fatal for coral colonies. For example, a coral colony near Japan's Iriomote Island experienced bleaching in 2016 but exhibited signs of recovery by 2020.

The nature of acid is to release more Hydrogen ions. As ocean acidification increases, available carbonate ions (CO_3^{2-}) bond with excess hydrogen, resulting in fewer carbonate ions available for calcifying organisms to build and maintain their shells, skeletons, and other calcium carbonate structures.

Ocean acidification slows the rate at which coral reefs generate calcium carbonate, thus slowing the growth of coral skeletons.

In more acidic seawater, calcium carbonate becomes less available, making it difficult for these organisms to form and maintain their shells.

Corals generally live in water temperatures of 68–90° F or 20–32° C.

Q91. Answer: a

Exp:

All NATO members need to approve applications from countries seeking to join the alliance. Türkiye is a member of NATO. Türkiye and Greece joined the NATO during cold war. Sweden and Finland are new members of NATO.

Q92. Answer: d

Exp:

Sushruta was an ancient Indian physician. He wrote Sushruta Samhita which is an ancient Sanskrit text on medicine and surgery. Sushruta's major contribution is in the field of surgery. Charaka is known as the "Indian father of Medicine".

Q93. Ans: C

Exp:

Vidyanjali is a school volunteer management program of Ministry of Education. This initiative connects volunteers from all spheres of life including the industry, scaling up industry's efforts in CSR for schools through the Vidyanjali portal.

Q94 Ans: C

Exp:

Objective of Mangrove Initiative for Shoreline Habitats and Tangible Incomes (MISHTI) scheme is to take up mangrove reforestation and afforestation along the coastal districts of India.

Mangrove forests have served as bioshield along the coastal areas and have helped to save lives and livelihoods during recurrent natural disasters like cyclones and storms.

Mangrove Alliance for Climate (MAC) – an intergovernmental alliance for promotion of Mangrove, of which India became its active member during the COP27.

MISHTI is to be implemented by converging CAMPA Fund, MGNREGS, and other sources.

Q95 Answer: d

Exp:

Namda is a type of traditional Kashmiri felted carpet that is created using sheep wool and has colourful hand embroidery. The distinct feature of this Kashmiri craft is that wool is felted and not woven. It is usually a sandwich of many layers of wool flattened over each other. After a layer is

spread, it is sprinkled homogeneously with water and pressed with a tool known as 'pinjra' (woven willow wicker).

Q96 Answer: b

Exp:

International Solar Alliance ISA initiated the SolarX Grand Challenge to spur African entrepreneurship and innovation at UNFCCC COP 27.

With its framework Agreement amended in 2020, all UN member states are eligible to join ISA.

Q97 Answer: b

Exp:

GSLV has multiple configurations, with LVM-3 (Launch Vehicle Mark 3) being the most powerful. It can lift up to 10 tonnes to low-earth orbit. Final stage of LVM-3 is powered by a cryogenic engine.

Q98 Answer: a

Exp:

Indo-Pacific Economic Framework (IPEF) was launched jointly by the US and other partner countries of the Indo-Pacific region in 2022.

The 14 IPEF partners represent 40 percent of the global GDP and 28 percent of global goods and services trade.

The partners are:

Australia	Brunei	Fiji	India	Indonesia	Japan	South Korea,
Malaysia	New Zealand	Philippines	Singapore	Thailand	Vietnam	USA

India is a partner country to IPEF and has joined three out of four of its pillars.

India has not joined the Trade pillar because it is apprehensive of the 'Market Access' clause of the Trade pillar.

Q99 Ans: C

Exp:

The first mission to set foot on the lunar South Pole is Chandrayaan-3. Due to its constantly shaded parts, where the presence of water ice is anticipated, this location is of particular interest.

Chandrayaan-3 will launch with merely a lander and a rover as opposed to Chandrayaan-2's combination of the Vikram lander, Pragyan rover, and an orbiter.

Q100 Answer: a

Exp:

The current sanction strength of SC judges is 34.

A person appointed as a judge of the Supreme Court, before entering upon his office, has to make and subscribe to an oath or affirmation before the President.

R.C.REDDY IAS STUDY CIRCLE