

GES REPORTER

June 2022

Monthly Current Affairs MCQs
Compilation PDF

By

Saurabh Pandey

Code: SPLIVE

Download for Free

Que-1 Which among the following are between Bangladesh-India passenger train services

- 1- Vandana Express
- 2- Maitree Express
- 3- Mitali Express

Which of the following given above is/are correct

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

Que-2 With reference to West Nile Virus, consider the following statements

- 1- It is a fly-borne.
- 2- It is double-stranded RNA virus.
- 3- It is a flavivirus related to the viruses that cause St. Louis encephalitis, Japanese encephalitis, and yellow fever.

Which of the following given above is/are correct

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

Que-3 With reference to International Day of UN (United Nations) Peacekeepers, consider the following statements

- 1- This day is observed to recognise the service and sacrifice of the more than one million personnel who have served under the blue flag since 1948.
- 2- June 1 marks the International Day of UN (United Nations) Peacekeepers.
- 3- The theme for this year's International Day of UN Peacekeepers is "People. Peace. Progress. The Power of Partnerships."

Which of the following given above is/are correct

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

Que-4 Consider the following statements

- 1- The US surpassed China to become India's top trading partner in 2021-22.
- 2- In 2021-22, India had a trade deficit of \$32.8 billion with the US.
- 3- Before China, the UAE was the country's largest trading partner.

Which of the following given above is/are correct

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

c) 1, 2 and 3 d) 3 only

Que-5 Consider the following statements about The Hasdeo Arand forest

- 1- Located in the northern part of Chhattisgarh.
- 2- It is known for its biodiversity and also its coal deposits.
- 3- The Hasdeo river, a tributary of Godavari, flows through it.

Which of the following given above is/are correct

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

Que-6 Which is/are true about Red Sanders

- 1- It is a flora-species that is endemic to a distinct tract of forests in Western Ghats region of Karnataka.
- 2- It fall under 'endangered list' in the International Union for Conservation of Nature (IUCN) Red List.
- 3- Its rich hue and therapeutic properties are responsible for its high demand across Asia, particularly China, for use in cosmetics, medicinal products and high-end furniture/woodcraft.

Which of the following given above is/are correct

a) 1 and 2 only b) 3 only

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

Que-7 Consider the following statements about recently launched PM CARES for Children Scheme

- 1- Under this Scheme, an initiative was started in Feb 2022 to provide financial assistance to support such children who have lost both the Parents or legal Guardian or Adoptive Parents or Surviving Parent to COVID-19 pandemic.
- 2- Under the Scheme Scholarship allowance would be ₹20,000/- per child per annum which will comprise monthly allowance of ₹1,000 per month and Annual academic allowance of Rs. 8,000 to cover the entire school fees, cost of the books and uniform, shoes and other educational equipment .
- 3- The Scholarship will be disbursed through DBT to the Children from Class 1st until they pass out the 12th std Class.

Which of the following given above is/are correct

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

Que-8 After a five-year gap, Maharashtra has overtaken Uttar Pradesh (UP) to regain its position as India's top sugar producer. Important factors responsible for this are

1- Bountiful rainfall Maharashtra has been receiving since the 2019 southwest monsoon season (June-September).

2- Higher yields from farmers taking extra care of their crop.

3- A huge jump in "unregistered" cane cultivation.

Which of the following given above is/are correct

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

ANSWER

1- (d)

- Bandhan Express from Kolkata station on the way to Khulna.
- Maitree Express between Kolkata and Dhaka.
- The newly introduced train Mitali Express between New Jalpaiguri and Dhaka.

2- (b)

- It is a mosquito-borne.
- Culex species of mosquitoes act as the principal vectors for transmission. It is transmitted by infected mosquitoes between and among humans and animals, including birds, which are the reservoir host of the virus.
- It is a member of the family Flaviviridae, specifically from the genus Flavivirus, which also contains the Zika virus, dengue virus, and yellow fever virus.
- It is a single-stranded RNA virus that causes West Nile fever.
- WNV can also spread through blood transfusion, from an infected mother to her child, or through exposure to the virus in laboratories. It is not known to spread by contact with infected humans or animals.

3- (b)

- May 29 marks the International Day of UN (United Nations) Peacekeepers.

4- (b)

- In 2021-22, India had a trade surplus of \$32.8 billion with the US.
- The data showed that China was India's top trading partner from 2013-14 till 2017-18 and also in 2020-21.
- In 2021-22, the UAE with \$72.9 billion, was the third largest trading partner of India. It was followed by Saudi Arabia (\$42,85 billion), Iraq (\$34.33 billion) and Singapore (\$30 billion).

5- (a)

- The Hasdeo river, a tributary of Mahanadi, flows through it.

6- (d)

- It is a flora-species that is endemic to a distinct tract of forests in Eastern Ghats region of Andhra Pradesh.
- Red Sanders is also listed in Appendix-II of the Convention on International Trade in Endangered Species of Wildlife Fauna and Flora (CITES).
- The export of Red Sanders from India is prohibited as per the Foreign Trade Policy.

7- (c)

8- (c)

- The first is the bountiful rainfall Maharashtra has been receiving since the 2019 southwest monsoon season (June-September). The filling up of reservoirs and recharged groundwater aquifers has induced farmer to plant more area under sugarcane, which is a 12-18 months duration crop. The benefits of abundant water and expanded acreage accrued fully in 2021-22.
- In 2020-21, the state reported a total area of 11.42 lakh hectares (lh) planted under cane. While the sugar commissioner's office has estimated this year's area at 12.4 lh, millers peg it at least one lh higher – and all this is cane that farmers haven't "registered" for supplying to any factory.
- The large "unregistered" area has meant that there is un-harvested cane still in the fields and mills will continue to crush till the first week of June. In normal years, crushing operations are over by April-end, rarely extending beyond mid-May. This time, the excess cane has led the Maharashtra government to announce a Rs 20/quintal subsidy to compensate mills for lower sugar recovery (from cane crushed in extreme summer heat) and also requisition the services

of mechanical harvesters (including
from other states).

GES
REPORTER

Que-1 Consider the following statements

1- About 80% of the world's energy requirements are met by these three fuels - coal, natural gas and oil.

2- Coal emits nearly twice as much carbon dioxide as natural gas and about 60% more than oil, on a kilogram-to-kilogram comparison.

3- Power sector in India accounts for 69% of total carbon dioxide emissions, compared with the global average of 41.

Which of the following given above is/are correct

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

Que-2 Which was the first PSU to issue Biodiversity Policy in 2018

- a) Bharat Heavy Electricals Limited (BHEL)
b) National Hydroelectric Power Corporation Limited (NHPC)
c) Oil and Natural Gas Corporation Limited (ONGC)
d) National Thermal Power Corporation Limited (NTPC)
-

Que-3 With reference to ASTRA MK-I missile, consider the following statements

1- Beyond Visual Range (BVR) Surface-to-Air Missile (AAM).

2- It has been indigenously designed and developed by Defence Research and Development Organisation (DRDO).

3- The missile is fully integrated on the Su 30 MK-I fighter aircraft.

Which of the following given above is/are correct

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

Que-4 With reference to Fiscal deficit, consider the following statements

1- A government creates a fiscal deficit by spending more money than it takes in from taxes and other revenues excluding debt.

2- The gap between income and spending is closed by government borrowing.

3- A fiscal deficit is same as fiscal debt.

Which of the following given above is/are correct

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

Que-5 Consider the following statements about World Summit of Information Society (WSIS), 2022

- 1- It being organized by International Telecommunications Unions (ITU).
- 2- Organized in New York, USA..

Which of the following given above is/are correct

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

Que-6 Consider the following statements about Analytical Support and Sanctions Monitoring Team of the United Nations Security Council (UNSC)

- 1- The monitoring team assists the UNSC sanctions committee.
- 2- India is currently the chair of the sanctions committee, which comprises all the 15 UNSC members.

Which of the following given above is/are correct

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

Que-7 With reference to Gross Value Added, consider the following statements

- 1- As per the United Nations System of National Accounts (SNA), gross value added, is defined as the value of output minus the value of intermediate consumption.
- 2- It is a measure of the contribution to GDP made by an individual producer, industry or sector.
- 3- It gives the rupee value of goods and services produced in the economy after deducting the cost of inputs and raw materials used.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about World Milk Day

- 1- The day was introduced by the Food and Agriculture Organisation (FAO) of the United Nations.
- 2- World Milk Day is observed on 31st May every year.
- 3- The theme for World Milk Day 2022 is to draw the world's attention to the climate change crisis and highlight how the dairy industry could minimise its impact on the planet

Which of the following given above is/are correct

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

ANSWER

1- (a)

- Power sector in India accounts for 49% of total carbon dioxide emissions, compared with the global average of 31.

2- (d)

- NTPC Ltd, India's largest integrated energy producer has issued renewed Biodiversity Policy 2022 to establish a comprehensive vision and guiding principle for conservation, restoration, and enhancement of biodiversity.
- This Biodiversity Policy is an integral part of NTPC's Environmental Policy. Its objectives are aligned with environmental and sustainability policies.

3- (d)

- Beyond Visual Range (BVR) Air-to-Air Missile (AAM).
- The Ministry of Defence, had recently signed a contract with Bharat Dynamics Limited (BDL) for supply of

ASTRA MK-I Beyond Visual Range (BVR) Air-to-Air Missile (AAM) and associated equipment for the Indian Air Force (IAF) and Indian Navy at a cost of ₹2,971 crore under Buy (Indian-IDD) category.

- Air to Air missile with 'BVR' capability provides large standoff ranges to own fighter aircraft which can neutralise the adversary aircraft without exposing itself to adversary air defence measures, thereby gaining and sustaining superiority of the air space.

4- (a)

- The difference between total revenue and total expenditure of the government is termed as fiscal deficit. It is an indication of the total borrowings needed by the government. While calculating the total revenue, borrowings are not included.
- A fiscal deficit is different from fiscal debt, which is the total debt accumulated over years of deficit spending.

5- (a)

- Organized in Geneva, Switzerland.

6- (c)

7- (c)

- GVA can be described as the main entry on the income side of the nation's accounting balance sheet, and from an economics perspective represents the supply side. While India had been measuring GVA earlier, it had done so using 'factor cost' and GDP at 'factor cost' was the main parameter for measuring the country's overall economic output till the new methodology was adopted. In the new series, in which the base year was shifted to 2011-12 from the earlier 2004-05, GVA at basic prices became the primary measure of output across the economy's various sectors and when added to net taxes on products amounts to the GDP.

8- (b)

- World Milk Day is observed on 1st June.
-

Que-1 Consider the following statements about Socio Economic and Caste Census 2011 (SECC)

- 1- It was the first caste-based census since 1931 Census of India.
- 2- It was launched from Rajasthan State.
- 3- Conducted by the Registrar General of India.

Which of the following given above is/are correct

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

Que-2 With reference to Government-e-Marketplace (GeM) platform, consider the following statements

- 1- The GeM started in 2017 is a one stop portal to facilitate online procurement of common use Goods and Services.
- 2- The portal is open for all government buyers—Central and State Ministries, departments, public sector enterprises, autonomous institutions, local bodies, etc.
- 3- Private buyers can also buy and sell on the platform.

Which of the following given above is/are correct

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

Que-3 With reference to Central Reserve Police Force (CRPF), consider the following statements

- 1- The Central Reserve Police Force (CRPF) is India's largest Central Armed Police Force.
- 2- It functions under the authority of the Ministry of Defence.
- 3- It came into existence as the Crown Representative's Police on 27 July 1939.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about National Commission for Women (NCW)

- 1- It is the autonomous body.
- 2- It was established in 1992, as defined in the 1990 National Commission for Women Act.
- 3- The commission regularly publishes a monthly newsletter, Rashtra Mahila, in both Hindi and English.

Which of the following given above is/are correct

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

Que-5 What is a Gig Economy?

1- The gig economy is based on flexible, temporary, or freelance jobs, often involving connecting with clients or customers through an online platform.

2- The gig economy can benefit workers, businesses, and consumers by making work more adaptable to the needs of the moment and the demand for flexible lifestyles.

3- The gig economy can have downsides due to the erosion of traditional economic relationships between workers, businesses, and clients.

Which of the following given above is/are correct

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

Que-6 What is an artillery rocket?

1- An artillery rocket is a weapon that is typically propelled by a liquid-fuel motor.

2- It can carry a specific type of warheads only.

Which of the following given above is/are correct

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

Que-7 What's the difference between a rocket and a missile

1- The word "rocket" is used in a military context to refer to relatively inexpensive unguided weapons powered by solid-fuel motors.

2- "Missile" is generally shorthand for "guided missiles," more expensive and complicated weapons that use movable fins to steer themselves to their targets and can fly much farther.

Which of the following given above is/are correct

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

Que-8 With reference to Neptune and Uranus, consider the following statements

1- They have similar masses, sizes, and atmospheric compositions.

2- At visible wavelengths, Neptune appearance is a rich, deep azure hue, while Uranus is a distinctly pale shade of cyan.

3- The haze around Uranus is thinner than that around Neptune.

Which of the following given above is/are correct

- a) 1 and 2 only b) 1 only

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

ANSWER

1- (b)

- It was launched from the Sankhola village of Hazemara block in West Tripura district.

2- (a)

- The Union Cabinet had recently cleared a proposal allowing cooperatives to sell products on the Government-e-Marketplace (GeM) platform. The cooperatives may however be charged a transaction fee to cover the incremental costs.
- Private buyers cannot buy on the platform but private people can sell products to government bodies through the portal.

3- (b)

- It functions under the authority of the Ministry of Home Affairs (MHA) of the Government of India.

4- (d)

- The first head of the commission was Jayanti Patnaik. As of 30 November 2018, Rekha Sharma is the chairperson.
- The National Commission for Women (NCW) is the statutory body of the

Government of India, generally concerned with advising the government on all policy matters affecting women. It was established on 31 January 1992 under the provisions of the Indian Constitution, as defined in the 1990 National Commission for Women Act.

5- (c)

6- (d)

- An artillery rocket is a weapon that is typically propelled by a solid-fuel motor and can carry a variety of warheads. During the Cold War, most artillery rockets were unguided and imprecise when fired at greater distances.

7- (c)

8- (a)

- The haze around Uranus is thicker than that around Neptune.
- Uranus's stagnant, sluggish atmosphere and makes it appear a lighter tone than Neptune. If there was no haze in the atmospheres of Neptune and Uranus, both would appear almost equally blue as a result of blue light being scattered in their atmospheres.

Que-1 What is an 'M1' vehicle?

1- 'Category M' covers motor vehicles with at least four wheels, used for commercial purpose as well as for carrying passengers.

2- Sub-category 'M1' defines "a motor vehicle used for the carriage of passengers, comprising not more than eight seats in addition to the driver's seat".

3- Sub-category 'M1' defines "a motor vehicle used for the carriage of passengers, comprising not more than eight seats in addition to the driver's seat".

Which of the following given above is/are correct

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

Que-2 What is liquid nano urea?

1- It is essentially urea in the form of a nanoparticle.

2- Liquid nano urea is sprayed directly on the roots and gets absorbed by the plant.

3- Conventional urea has an efficiency of about 25 per cent, the efficiency of liquid nano urea can be as high as 55-55 per cent.

Which of the following given above is/are correct

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

Que-3 With reference to 'Har GharDastak 2.0', consider the following statements

1- It will be implemented from 1st June 2022 to 31st July 2022.

2- To expedite Polio Vaccination Coverage.

3- The 'HarGharDastak' Teekakaran Abhiyaan has been inspired by the successful strategy of Mission Indradhanush.

Which of the following given above is/are correct

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

Que-4 What is sologamy?

1- Sologamy is the act of marrying oneself in a public ceremony, also referred to as self-marriage or autogamy.

2- Such a marriage has no legal sanction or status.

Which of the following given above is/are correct

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

Que-5 With reference to International Liquid-Mirror Telescope (ILMT), consider the following statements

- 1- Set up at Chamoli in Uttarakhand.
- 2- This will observe asteroids, supernovae, space debris and all other celestial objects from an altitude of 2,450 metres in the Himalayas.
- 3- They are stationary telescopes that image a strip of the sky which is at the zenith at a given point of time in the night.

Which of the following given above is/are correct

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

Que-6 With reference to Leadership for Industry Transition (LeadIT), consider the following statements

- 1- India and Norway recently hosted in Oslo.

2- The LeadIT initiative lays specific focus on hard to abate sectors that are key stakeholders in the global climate action and require specific interventions.

Which of the following given above is/are correct

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

Que-7 Consider the following statements about tuberculosis (TB)

- 1- It is an infectious disease usually caused by Mycobacterium tuberculosis (MTB) bacteria.
- 2- This only affects the lungs.
- 3- Tuberculosis do not spread from one person to another.

Which of the following given above is/are correct

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

Que-8 Which is/are true about “SHRESHTA”-Scheme for residential education for students in High school in Targeted Areas

1- This has been launched for the purpose of providing seats for the meritorious SC boys and girls in the best private residential schools in the country.

2- Department of Social Justice & Empowerment, Ministry of Ministry of Social Justice & Empowerment is the Implementation agency.

3- To provide access to high-quality education to bright Scheduled Caste (SC) students so that they can secure future opportunities.

Which of the following given above is/are correct

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

ANSWER

1- (d)

- ‘Category M’ covers motor vehicles with at least four wheels, used for carrying passengers.

2- (a)

- Liquid nano urea is sprayed directly on the leaves and gets absorbed by the plant.
- Conventional urea has an efficiency of about 25 per cent, the efficiency of liquid nano urea can be as high as 85-90 per cent.

3- (b)

- The objective of the ‘Har GharDastak2.0’ Abhiyan is to vaccinate and cover the eligible population groups for first, second and precaution doses through door-to-door campaigns.
- The ‘HarGharDastak’ Teekakaran Abhiyaan has been inspired by the successful strategy of Mission Indradhanush which included mobilization, awareness & vaccination activities for reaching out to all the

missed out and dropped out eligible beneficiaries of 1st & 2nd dose through House-to-House visit from 3rd Nov 2021 onwards.

- The initiative contributed immensely towards the success of the programme by reaching out to the last mile beneficiaries including the old-aged, differently-abled and even the vaccine hesitant populations.

4- (c)

- While such a marriage has no legal sanction or status, the symbolic ceremony is used by many as an act to emphasize their self-love and independence.

5- (d)

- The International Liquid-Mirror Telescope (ILMT) has been set up at the Devasthal Observatory campus owned by Aryabhata Research Institute of Observational Sciences (ARIES), Nainital in Uttarakhand.
- It became the world's first liquid-mirror telescope to be commissioned for astronomy.

- A conventional telescope is steered to point towards the celestial source of interest in the sky for observations. The liquid-mirror telescopes, on the other hand, are stationary telescopes that image a strip of the sky which is at the zenith at a given point of time in the night. In other words, a liquid-mirror telescope will survey and capture any and all possible celestial objects — from stars, galaxies, supernovae explosions, asteroids to space debris.

- Conventional telescopes have highly polished glass mirrors — either single or a combination of curved ones — that are steered in a controlled fashion to focus onto the targetted celestial object on specific nights. The light is then reflected to create images.

- As opposed to this, as is evident by the name, the liquid-telescope is made up of mirrors with a reflective liquid, in this case, mercury — a metal which has a high light-reflecting capacity.

6- (b)

- India and Sweden recently hosted in Stockholm.

- This high level of dialogue has contributed to the UN Conference 'Stockholm+50': a healthy planet for the prosperity of all –our responsibility, our opportunity', taking place on 2 and 3 June 2022 and set the agenda for COP27.

7- (a)

- This generally affects the lungs, but can also affect other parts of the body.
- Tuberculosis is spread from one person to the next through the air when people who have active TB in their lungs cough, spit, speak, or sneeze.

8- (c)

GES
REPORTER

Que-1 With reference to 'Puneet Sagar Abhiyan', recently launched, consider the following statements

- 1- Launched by the Ministry of Drinking Water and Sanitation.
- 2- To clean Sea Shores/Beaches and other water bodies including rivers & lakes, of plastic & other waste.
- 3- The purpose of the Abhiyan is to educate locals and sensitise them about 'Swachh Bharat'.

Which of the following given above is/are correct

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

Que-2 Consider the following statements about Eco-sensitive zone (ESZ)

- 1- These are areas in India notified by the Ministry of Environment, Forests and Climate Change (MoEFCC).
- 2- These are areas around Protected Areas, National Parks and Wildlife Sanctuaries.

3- The Environment (Protection) Act, 1986 mention the word "Eco-Sensitive Zones".

Which of the following given above is/are correct

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

Que-3 Consider the following statements about Section 25 of Companies Act, 1956

- 1- It is a not-for-profit charitable company formed with the sole object of promoting commerce, art, science, religion, charity, or any other useful object.
- 2- Section 25 company is prohibited from payment of any dividend to its members.
- 3- Section 25 states that by its constitution the company is required/ intends to apply its profits, if any, or other income in promoting its objects and is prohibited from paying any dividend to its members."

Which of the following given above is/are correct

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

Que-4 With reference to seagrass, consider the following statements about

1- In India, seagrass is found in many coastal areas, most notably along Eastern Coast.

2- Seagrass trap sediments and prevent water from getting muddy, absorb carbon from the atmosphere, and prevent coastal erosion.

Which of the following given above is/are correct

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

Que-5 What is direct-to-mobile (D2M) broadcasting?

1- The technology is based on the convergence of broadband and broadcast, using which mobile phones can receive terrestrial digital TV.

2- Using D2M, multimedia content can also be beamed to phones directly.

3- The content should stream without any buffering whatsoever while not consuming any internet data.

Which of the following given above is/are correct

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

Que-6 What is Radio-frequency identification (RFID) technology?

1- This is a technology that uses radio waves to automatically identify various tagged objects.

2- This is a wireless tracking method that uses tags and readers to track objects.

3- Transponder, receiver, and transmitter are the three components of an RFID system.

Which of the following given above is/are correct

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

Que-7 What is a barcode?

1- This is a printed series of parallel bars or lines of varying width used for entering data into a computer system.

2- The bars are white on a black background and vary in width and quantity depending on the application.

3- The bars represent the binary digits zero and one, which represent the digits zero to nine processed by a digital computer.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about

1- The World Environment Day is observed every year on 5th June.

2- World Environment Day was established in 1972 by the UN General Assembly at the time of Stockholm Conference.

3- The theme of World Environment Day 2022 is ' Only Our Earth'.

Which of the following given above is/are correct

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

ANSWERS

1- (d)

- Launched by National Cadets Corps, NCC.

2- (a)

- The Environment (Protection) Act, 1986 does not mention the word "Eco-Sensitive Zones".
- The Environment (Protection) Act, 1986 does not mention the word "Eco-Sensitive Zones". However, Section 3(2)(v) of the Act, says that Central Government can restrict areas in which any industries, operations or processes or class of industries, operations or processes shall not be carried out or shall be carried out subject to certain safeguards.

- Besides Rule 5(1) of the Environment (Protection) Rules, 1986 states that central government can prohibit or restrict the location of industries and carrying on certain operations or processes on the basis of considerations like the biological diversity of an area, maximum allowable limits of concentration of pollutants for an area, environmentally compatible land use, and proximity to protected areas.

3- (c)

4- (a)

- In India, seagrass is found in many coastal areas, most notably in Gulf of Mannar and Palk Strait.

5- (c)

- The idea behind the technology is that it can possibly be used to directly broadcast content related to citizen-centric information and can be further used to counter fake news, issue emergency alerts and offer assistance in disaster management, among other things. Apart from that, it can be used to broadcast live news, sports etc. on

mobile phones. More so, the content should stream without any buffering whatsoever while not consuming any internet data.

6- (c)

- The RFID reader continually sends radio waves of a specific frequency in RFID system. If the object to which the RFID tag is attached is within the range of the radio waves, it provides feedback to the RFID reader, which then identifies the object based on the feedback.

7- (b)

- The bars are black on a white background and vary in width and quantity depending on the application.
- These barcodes are scanned using special optical scanners known as barcode readers, which come in a variety of shapes and sizes. The majority of these codes use only two different widths of bars, however some use four. The numbers that make up a barcode are also printed at the bottom. One of

the most well-known examples of a barcode is the QR code.

8- (a)

- The theme of World Environment Day 2022 is ' Only One Earth'.
- The World Environment Day is observed every year on 5th June. World Environment Day is celebrated across the world to raise an awareness and describe the importance of Mother nature.
- World Environment Day was established in 1972 by the UN General Assembly at the time of Stockholm Conference. This was the world's first conference to make an environment protection, a major issue. World Environment Day was first celebrated in the year 1974. This day has created a platform to raise an awareness that the world is facing the problem such as air pollution, plastic pollution, global warming and sea level increasing day by day.

Que-1 With reference to 'Save Soil Movement', consider the following statements

1- This is a global movement to increase awareness about deteriorating soil health and bring about a conscious response to improve it.

2- The movement was started by United Nations Environment Programme (UNEP).

Which of the following given above is/are correct

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

Que-2 What is Gait analysis?

1- Gait is defined as a manner of walking or moving on foot.

2- Gait analysis is a technique in podiatry medical care and the treatment of the foot, which is used to evaluate and diagnose conditions that affect walking and posture.

3- It can also be used by physiotherapists for treatment, and in athletics training so that athletes can perform better and in greater comfort.

Which of the following given above is/are correct

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

Que-3 With reference to Sarus crane, consider the following statements

1- The sarus crane is a large migratory crane found in parts of the Indian subcontinent, Southeast Asia, and Australia.

2- The tallest of the flying birds.

3- They are a critically endangered species.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about recently inaugurated Food testing Lab at Raxaul in Bihar

1- This laboratory has been established under Indo - Bhutan bilateral agreement.

2- To reduce the time in testing of imported food samples.

3- It will facilitate cross-border trade between both countries, through reduced time of testing and faster report generation for the imported samples.

Which of the following given above is/are correct

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

Que-5 With reference to stagflation, consider the following statements

1- Stagflation was first recognized during the 1970s when many developed economies experienced rapid inflation and high unemployment as a result of an oil shock.

2- Stagflation refers to an economy that is experiencing a simultaneous decrease in inflation and stagnation of economic output.

3- One of the causes of stagflation is when a central bank creates money flow by printing more currency but puts supply on hold.

Which of the following given above is/are correct

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

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

Que-6 Consider the following statements about Foreign portfolio investors (FPIs)

1- Foreign portfolio investors are those that invest funds in markets outside of their home turf.

2- They are generally active shareholders and exert control over the companies whose shares they hold.

3- The passive nature of their investment also allows them to enter or exit a stock at will and with ease.

Which of the following given above is/are correct

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

Que-7 Consider the following statements about World's first fishing cat census

1- The Chilika Lake, Asia's largest brackish water lagoon, has 176 fishing cats.

2- Fishing cats are globally threatened cats that occur in wetlands like marshlands, mangroves and flooded forests in major South and Southeast Asian river basins.

3- They are found in 10 Asian countries but have remained undetected in Vietnam and Java since the last decade or so.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about joint military training exercise Ex SAMPRITI-X

1- The aim of the exercise is to strengthen interoperability between the two armies and to understand each other's tactical drills and operational techniques.

2- Conducted alternately by both countries.

3- Between India and Maldives.

Which of the following given above is/are correct

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

ANSWER

1- (a)

- The movement was started by Sadhguru in March 2022, who embarked on a 100-day motorcycle journey passing through 27 countries. June 5 marks the 75th day of the 100-day journey.

2- (c)

- The analysis can help experts zero in on the source of an injury or pain that determines the way in which an individual stands or walks. It can also be used by physiotherapists for treatment, and in athletics training so that athletes can perform better and in greater comfort.
- Gait analysis techniques have now been borrowed by forensic sciences experts to identify suspects in criminal cases. With footage from CCTV cameras becoming a crucial element in fighting and preventing a range of crimes especially in the cities, gait analysis has begun to be used as a tool for focusing on or eliminating individuals from a list of suspects.

3- (d)

- The sarus crane is a large nonmigratory crane found in parts of the Indian subcontinent, Southeast Asia, and Australia.

4- (d)

- This laboratory has been established under Indo - Nepal bilateral agreement to reduce the time in testing of imported food samples brought into Raxaul from Nepal. It will facilitate cross-border trade with Nepal through reduced time of testing and faster report generation for the imported samples.
- Earlier, all the imported samples having legal sanctity were being sent to National Food Laboratory, Kolkata, for the purpose of testing.

5- (b)

- Stagflation refers to an economy that is experiencing a simultaneous increase in inflation and stagnation of economic output.
- The rising inflation leads to a drop in the currency's purchasing power as we

would be able to buy only fewer items for the same money. The situation is far greater when rising inflation is accompanied by a stagnant output. As economic growth halts, unemployment rises but existing incomes do not rise fast enough, making people contend with inflation.

- One of the causes of stagflation is when a central bank creates money flow by printing more currency but puts supply on hold. The situation also rises when the central bank's monetary or fiscal policies create credit.
- While this at play, other policies slow growth if the government increases taxes or the central bank raises interest rates. Both of these moves prevent companies from producing more. Simply put, when conflicting expansionary and contractionary policies occur, it can slow growth while creating inflation, leading to stagflation.

6- (b)

- They are generally not active shareholders and do not exert any

control over the companies whose shares they hold.

7- (c)

- The Chilika Lake, Asia's largest brackish water lagoon, has 176 fishing cats, according to a census conducted by Chilika Development Authority (CDA) in collaboration with The Fishing Cat Project (TFCP).
- This is the world's first population estimation of the fishing cat, which has been conducted outside the protected area network.
- Fishing cats are globally threatened cats that occur in wetlands like marshlands, mangroves and flooded forests in major South and Southeast Asian river basins starting from Indus in Pakistan till Mekong in Vietnam and in the island nations of Sri Lanka and Java.

8- (a)

- As part of the ongoing India Bangladesh bilateral defence cooperation, a joint military training exercise Ex SAMPRITI-X is being conducted at Jashore Military

Station in Bangladesh from 05 June to 16 June 2022.

- Exercise SAMPRITI is an important bilateral defence cooperation endeavour conducted alternately by both countries which aims to strengthen and widen the aspects of interoperability and cooperation between both the armies. The aim of the exercise is to strengthen interoperability between the two armies and to understand each other's tactical drills and operational techniques.

Que-1 Consider the following statements about Ethanol

- 1- Ethanol is naturally produced by the fermentation of sugars by yeasts or via petrochemical processes such as ethylene hydration.
- 2- Ethanol is a volatile, flammable, colorless liquid with a characteristic wine-like odor and pungent taste.
- 3- It is used as a chemical solvent and in the synthesis of organic compounds.

Which of the following given above is/are correct

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

Que-2 With reference to Quad, consider the following statements about

- 1- Comprising of India, Australia, Japan and U.S.
- 2- Recently announced at the New York summit, an ambitious Indo-Pacific Maritime Domain Awareness (IPMDA) initiative to track “dark shipping”.

Which of the following given above is/are correct

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

Que-3 Consider the following statements according to the State of Environment Report 2022 from the environmental NGO, the Centre for Science and Environment (CSE)

- 1- Three out of every four river monitoring stations in India posted alarming levels of heavy toxic metals such as lead, iron, nickel, cadmium, arsenic, chromium and copper.
- 2- While the global average of the Ocean Health Index, has declined between 2012 and 2021, India’s score in the index has improved over the same period.

- 3- Of the 33 monitoring stations in Ganga, 10 had high levels of contaminants.

Which of the following given above is/are correct

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

Que-4 With reference to Tiangong space station, consider the following statements

- 1- This is a space station being constructed by China in low Earth orbit between 340 and 450 km (210 and 280 mi) above the surface.
- 2- Once ready, China will be the second country to own a space station.

3- China began constructing its three-module space station in April 2021 with the launch of Tianhe - the first and biggest of the station's three modules.

Which of the following given above is/are correct

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

Que-5 Which is/are true about Agni-IV missile

- 1- Nuclear-capable.
2- A ballistic missile.
3- Strike range of 8,000 km.

Which of the following given above is/are correct

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

Que-6 With reference to norovirus, consider the following statements about

- 1- Norovirus is a highly contagious virus that is also sometimes referred to as the 'stomach flu' or the 'winter vomiting bug'.
2- It can be transmitted through contaminated food, water, and surfaces.
3- It is similar to diarrhoea-inducing rotavirus and infects children under 12.

Which of the following given above is/are correct

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

Que-7 Ministry of Tribal Affairs had recently inaugurated the National Tribal Research Institute in

- a) Ranchi
b) Kohima
c) Bhopal
d) New Delhi
-

Que-8 With reference to Sital Sasthi festival, consider the following statements about

- 1- It is being celebrated in Odisha.
2- This is observed to celebrate the marriage of Lord Siva and Goddess Parvati.
3- Sital Sasthi also marks the start of the monsoon season.

Which of the following given above is/are correct

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

ANSWER

1- (c)

2- (a)

- The Quad grouping, comprising of India, Australia, Japan and U.S., announced at the Tokyo summit recently an ambitious Indo-Pacific Maritime Domain Awareness (IPMDA) initiative to track “dark shipping” and build a “faster, wider, and more accurate maritime picture of near-real-time activities in partners’ waters” integrating three critical regions in the Indo-Pacific - the Pacific Islands, Southeast Asia, and Indian Ocean Region (IOR).

- There are two main regulations globally on Illegal, Unreported and Unregulated (IUU) fishing - Cape Town Agreement (CTA) and the Agreement on Ports State Measures (PSMA) and India is, so far, not a signatory of both the agreements.

3- (b)

- While the global average of the Ocean Health Index, a measure that looks at how sustainably humans are exploiting ocean resources, has improved between 2012 and 2021, India’s score in the index has declined over the same period.

- Of the 33 monitoring stations in Ganga, 10 had high levels of contaminants. The river, which is the focus of the Centre’s Namami Gange mission, has high levels of lead, iron, nickel, cadmium and arsenic.

- Over a third of India’s coastline that is spread across 6,907 km saw some degree of erosion between 1990 and 2018. West Bengal is the worst hit with over 60% of its shoreline under erosion. The reasons for coastal erosion include increase in frequency of cyclones and sea level rise and anthropogenic activities such as construction of harbours, beach mining and building of dams.

4- (b)

- Once ready, China will be the only country to own a space station. The International Space Station (ISS) of Russia is a collaborative project of several countries.

- China began constructing its three-module space station in April 2021 with the launch of Tianhe - the first and biggest of the station’s three modules.

5- (a)

- India had recently successfully test-fired its nuclear-capable long-range

ballistic missile Agni-IV, with a strike range of 4,000 km

6- (a)

- Norovirus is a highly contagious virus that is also sometimes referred to as the 'stomach flu' or the 'winter vomiting bug'. It can be transmitted through contaminated food, water, and surfaces. The primary route is oral-faecal.
- It is similar to diarrhoea-inducing rotavirus and infects people across age groups. Disease outbreaks typically occur aboard cruise ships, in nursing homes, dormitories, and other closed spaces.

7- (d)

- The NTRI will be a premier national level institute and become the nerve-center of tribal concerns, issues and matters in academic, executive and legislative fields. It will collaborate and network with reputed research institutes, Universities, organizations as well as academic bodies and resource Centres.
- It will Monitor projects of Tribal Research Institutes(TRIs), Centres of Excellence (CoEs), research scholars of NFS and set up norms for improvement in the quality of research and training.

- Its other activities would be to provide policy inputs to the Ministry of Tribal Affairs as well as State Welfare Departments, Design studies and programs that improve or support socio-economic aspects of tribal lifestyles, creating and maintenance of Database of PMAAGY, providing guidelines in Setting and running of Tribal Museums and Showcasing rich tribal cultural heritage of India under one umbrella.

8- (c)

Que-1 As per the Indian Meteorological Department (IMD) criteria for Heat Waves are

1- Heat Wave need not be considered till maximum temperature of a station reaches atleast 45°C for Plains and atleast 35°C for Hilly regions.

2- When normal maximum temperature of a station is less than or equal to 40°C Heat Wave Departure from normal is 5°C to 6°C Severe Heat Wave Departure from normal is 7°C or more.

3- When normal maximum temperature of a station is more than 40°C Heat Wave Departure from normal is 4°C to 5°C Severe Heat Wave Departure from normal is 6°C or more.

Which of the following given above is/are correct

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

Que-2 With reference to Surrogacy Act, consider the following statements

1- The Act sought to regulate the surrogacy part of a rather flourishing infertility industry in the country.

2- Defining 'surrogacy' as a practice where a woman undertakes to give birth to a child for another couple and agrees to hand over the child to them after birth.

3- It allows 'altruistic surrogacy' only.

Which of the following given above is/are correct

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

Que-3 As per the Surrogacy Act that kicked in from January this year

1- A married couple can opt for surrogacy only on medical grounds.

2- The law defines a couple as a married Indian "man and woman" and also prescribes an age-criteria with the woman being in the age group of 21 to 50 years and the man between 21 to 55 years.

3- The couple should not have a child of their own.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about exercise "Ex Khaan Quest 2022"

1- A Multinational Peacekeeping exercise.

2- Recently commenced in Kazakhstan.

3- 16 countries participated.

Which of the following given above is/are correct

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

Que-5 What is BIMSTEC, the Bay of Bengal grouping of nations?

1- In 1997 Delhi Declaration launched a modest grouping (of Bangladesh, India, Sri Lanka and Thailand), with the acronym, BIST-EC.

2- BIMSTEC includes countries of the Bay of Bengal region, and seeks to act as a bridge between South and Southeast Asia.

3- While all member-states are equal, three have a special responsibility: Bangladesh as the host of the BIMSTEC Secretariat; Thailand as the representative of Southeast Asia; and India as the largest state in South Asia.

Which of the following given above is/are correct

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

Que-6 With reference to Jan Samarth portal, consider the following statements

1- The core objective of the scheme is to promote inclusive growth and development of various sectors by guiding and providing

them to the right of Government benefits through simple and digital processes.

2- Jan Samarth Portal is a digital one-stop shop that will connect 13 government credit initiatives on a single platform.

3- Only people below poverty line (BPL) can apply for a loan.

Which of the following given above is/are correct

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

Que-7 The Ministry of Defence has recently issued three separate notifications amending the rules of the Army, the Navy and the Air Force for the appointment of the next Chief of Defence Staff CDS. These are

1- Any serving or retired three-star officer from either of the three services, below 65 years on the date of projected appointment, would be eligible to be elevated as the CDS and will superannuate at the age of 70.

2- The new rules essentially open the doors for the second-highest active rank officers of the tri-services to possibly supersede their seniors.

Which of the following given above is/are correct

- a) 1 only b) 2 only

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

ANSWER

Que-8 What is the Chief of Defence Staff (CDS) post?

1- The post of Chief of Defence Staff was created in 2019 on the recommendations of a committee of defence experts headed by Lt General DB Shekatkar.

2- The CDS heads two roles: one as the permanent Chairman of the Chiefs of Staff Committee, which has the three service chiefs as members, and the other as the head of the Department of Military Affairs (DMA) in the Ministry of Defence.

3- General Bipin Rawat was appointed the first Chief of Defence Staff.

Which of the following given above is/are correct

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

1-

(d)

- Heat Wave need not be considered till maximum temperature of a station reaches atleast 40°C for Plains and atleast 30°C for Hilly regions.
- When actual maximum temperature remains 45°C or more irrespective of normal maximum temperature, heat waves should be declared. Higher daily peak temperatures and longer, more intense heat waves are becomingly increasingly frequent globally due to climate change. India too is feeling the impact of climate change in terms of increased instances of heat waves which are more intense in nature with each passing year, and have a devastating impact on human health thereby increasing the number of heat wave casualties.

The health impacts of Heat Waves typically involve dehydration, heat cramps, heat exhaustion and/or heat stroke. The signs and symptoms are as follows:

- Heat Cramps: Ederna (swelling) and Syncope (Fainting) generally accompanied by fever below 39°C i.e.102°F.
- Heat Exhaustion: Fatigue, weakness, dizziness, headache, nausea,

vomiting, muscle cramps and sweating.

- Heat Stroke: Body temperatures of 40°C i.e. 104°F or more along with delirium, seizures or coma. This is a potential fatal condition

2- (c)

- The Act sought to regulate the surrogacy part of a rather flourishing infertility industry in the country.
- Defining 'surrogacy' as a practice where a woman undertakes to give birth to a child for another couple and agrees to hand over the child to them after birth, it allows 'altruistic surrogacy' — wherein only the medical expenses and insurance coverage is provided by the couple to the surrogate mother during pregnancy. No other monetary consideration will be permitted.

3- (b)

- The law defines a couple as a married Indian "man and woman" and also prescribes an age-criteria with the woman being in the age group of 23 to 50 years and the man between 26 to 55 years.
- Though the law allows single women to resort to surrogacy, she should either be a widow or a divorcee,

between the age of 35 to 45 years. Single men are however, not eligible.

- Only a close relative of the couple can be a surrogate mother, one who is able to provide a medical fitness certificate. She should have been married, with a child of her own, and must be between 25 and 35 years, but can be a surrogate mother only once.

4- (b)

- A Multinational Peacekeeping exercise "Ex Khaan Quest 2022" featuring participation from military contingents from 16 countries has commenced in Mongolia.

5- (d)

- In 1997 Bangkok Declaration launched a modest grouping (of Bangladesh, India, Sri Lanka and Thailand), with the acronym, BIST-EC.
- Originally formed as BIST-EC (Bangladesh, India, Sri Lanka and Thailand Economic Cooperation) in 1997, it became BIMST-EC after Myanmar joined, and BIMSTEC in 2004 with the inclusion of Nepal and Bhutan. This unique set of five countries from South Asia and two from Southeast Asia are parents to an institution with an unwieldy name but lofty ambitions.

6- (a)

- The portal ensures end-to-end coverage of all the linked schemes.
- Anyone can apply for a loan.

7- (b)

- Any serving or retired three-star officer from either of the three services, below 62 years on the date of projected appointment, would be eligible to be elevated as the CDS and will superannuate at the age of 65. Earlier, the post was only open for four-star generals.

8- (c)

- The Chief of Defence Staff is principally responsible for getting the armed forces better integrated rather than operating in silos as has been the case for decades.
- The job includes the creation of new military commands which integrate the Army, Air Force, and Navy to fight together.
- According to the government, the CDS acts as the Principal Military Adviser to the Defence Minister only on tri-services matters. The three service chiefs will continue to advise the Defence Minister exclusively on the matters concerning their respective services.

- The CDS will not hold any military command, including over the three service chiefs.
 - As the Permanent Chairman of the Chief of Staff Committee, the CDS brings about jointness in operation, logistics, transport, training, support services, communications, repairs and maintenance of the three services.
-

Que-1 With reference to ceramic implants that can regenerate broken bones, consider the following statements

1- Calcium phosphate ceramics, are in principle an ideal alternative to conventional metals because bone can eventually replace the ceramic and regrow.

2- Calcium phosphate ceramics are substitutes for the bone mineral hydroxyapatite.

3- Applications of such ceramics in medical settings have been limited, because there is insufficient control over the rate of absorption and replacement by bone after implantation.

Which of the following given above is/are correct

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

Que-2 With reference to National air sport policy 2022 (NASP), recently launched, consider the following statements about

1- The new policy lays out the vision of making India one of the top sports nations by 2030 by providing a safe, affordable, accessible, enjoyable and sustainable air sports ecosystem in India.

2- Under the new policy, there will be a four-tier governance structure for air sports in India.

3- Released by Ministry of Youth Affairs and Sports.

Which of the following given above is/are correct

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

Que-3 With reference to Defence Acquisition Council (DAC), consider the following statements about

1- It is the apex decision making body of the Ministry of Defence.

2- It is chaired by the Defence Minister.

3- The DAC has accorded acceptance of necessity (AoN) for the procurement of next generation corvettes (NGC) at an estimated cost of Rs 96,000 crore.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about Yankti Kuti Valley

1- Kuti Valley is a Himalayan valley situated in the Pithoragarh District, Garhwal division of the Uttarakhand state.

2- This formed by the river Kuti Yankti, which is one of the headwaters of the Kali

River that forms the boundary between India and Nepal in this region.

3- This valley is mainly dominated by Byansis, one of the four Bhotiya communities of Kumaon.

Which of the following given above is/are correct

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

Que-5 Consider the following statements about Central Advisory Board (CAB) on Disability

1- It is supposed to function as the national-level consultative and advisory body on disability matter.

2- It has a five-year tenure.

3- The panel is meant to “facilitate the continuous evolution of a comprehensive policy for the empowerment of persons with disabilities and the full enjoyment of rights”.

Which of the following given above is/are correct

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

Que-6 How is a Rajya Sabha MP elected?

1- Members of the Rajya Sabha are elected through single transferable vote via open ballot.

2- Members of a state’s Legislative Assembly vote in the Rajya Sabha elections in what is called proportional representation with the single transferable vote (STV) system.

3- Each MLA’s vote is counted only once.

Which of the following given above is/are correct

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

Que-7 Consider the following statements about Rajya Sabha

1- The Rajya Sabha or the Upper House of Parliament is modeled after the House of Commons in the United Kingdom.

2- The Rajya Sabha currently has 245 members, including 233 elected members and 12 nominated.

3- The Speaker is the chairperson of the Rajya Sabha, which is the final stop before a bill is sent for presidential assent.

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only

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

ANSWER

Que-8 With reference to Environmental performance index, published recently by the Yale Center for Environmental Law and Policy and the Center for International Earth Science Information Network, Columbia University, consider the following statements

1- India has been placed at the bottom on a list of 180 countries judged for their environmental performances.

2- Denmark topped the 2022 Environmental Performance Index (EPI), followed by the UK and Finland, which earned high scores for slashing greenhouse gas emissions in recent years.

3- India and US are projected to be the largest and second-largest emitters of greenhouse gases in 2050.

Which of the following given above is/are correct

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

1- (c)

2- (a)

- Released by Ministry of Civil Aviation.
- Air sports, as the name suggests, encompasses various sports activities involving the medium of air. These include sports like air-racing, aerobatics, aeromodelling, hang-gliding, paragliding, paramotoring and skydiving etc.
- The policy will cover the air sports including aerobatics, aeromodelling and model rocketry, amateur-built and experimental aircraft, ballooning, drones, gliding and powered gliding, hang gliding and powered hang gliding, parachuting, paragliding and paramotoring, powered aircraft, rotorcraft, etc.
- Under the new policy, there will be a four-tier governance structure for air sports in India namely; the Air Sports Federation of India (ASFI) as the apex governing body; National associations for individual air sports or a set of air sports, as appropriate Regional or State and Union Territory level units of the national air sports associations, as appropriate; and District-level air sports associations, as appropriate.

3- (a)

- The DAC has accorded acceptance of necessity (AoN) for the procurement of next generation corvettes (NGC) at an estimated cost of Rs 36,000 crore.
- The DAC is the apex decision making body of the Ministry of Defence and is chaired by the Defence Minister. The DAC has accorded acceptance of necessity (AoN) for the procurement of next generation corvettes (NGC) at an estimated cost of Rs 36,000 crore. The AoN is the first step for the procurement procedure.
- These next generation corvettes are part of the Indian Navy's ongoing plan to have a 175-ship Navy. The warships, the NGC, will be versatile platforms for variety of roles like surveillance missions, escort operations, deterrence, surface action group (SAG) operations, search and attack and coastal defence. These NGCs would be constructed based on new in-house design of Indian Navy using latest technology of ship-building.
- The DAC also accorded AoNs for the manufacture of Dornier aircrafts and Su-30 MKI aero-engines by HAL, with focus on enhancing indigenisation, particularly in indigenising aero-engine material. The Dornier's will be

modified for a role in surveillance and intelligence gathering.

4- (d)

- Kuti Valley is a Himalayan valley situated in the Pithoragarh District, Kumaon division of the Uttarakhand state.

5- (b)

- It has a three-year tenure.

6- (c)

- The tenure of a Rajya Sabha member is six years. One-third members retire every second year and are replaced by newly chosen members.
- Each member serves for a term of six years. In case of death, disqualification or resignation, bypolls are held.

7- (a)

- The Rajya Sabha or the Upper House of Parliament is modeled after the House of Lords in the United Kingdom.
- As per the constitutional limit, the Upper House strength cannot exceed 250.
- While 233 members are elected from states and Union Territories (UTs), President of India nominates the remaining 12 from from the fields of

art, literature, science and social services.

- The Vice-President is the chairperson of the Rajya Sabha, which is the final stop before a bill is sent for presidential assent.
- As per the constitution, since the Rajya Sabha is the Council of States, the allocation of seats for Rajya Sabha is made on the basis of the population of each state.

- EPI projections indicate that just four countries -- China, India, the US and Russia -- will account for over 50 per cent of residual global greenhouse gas emissions in 2050 if current trends hold.

8- (a)

- China and India are projected to be the largest and second-largest emitters of greenhouse gases in 2050.
- Using 40 performance indicators across 11 issue categories, the EPI ranks 180 countries on climate change performance, environmental health and ecosystem vitality.
- These indicators provide a gauge at a national scale of how close the countries are to established environmental policy targets.
- The lowest scores go to India (18.9), Myanmar (19.4), Vietnam (20.1), Bangladesh (23.1) and Pakistan (24.6). Most low-scoring countries are those that have prioritised economic growth over sustainability, or those that are struggling with civil unrest and other crises.

Que-1 Consider the following statements about World Oceans Day

- 1- World Oceans Day is celebrated annually on 10th June.
- 2- The theme for World Oceans Day this year is "Revitalization: Collective Action for the Ocean."
- 3- The Oceans Institute of Canada brought the idea of celebrating global ocean day at the Earth Summit of the UN Conference on Environment and Development (UNCED) in 1992.

Which of the following given above is/are correct

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

Que-2 With reference to Brain tumours, consider the following statements

- 1- Brain tumours are lumps or growths of abnormal cells that occur in a youngster's brain or nearby tissue and structures.
- 2- Almost every brain tumours are cancerous.
- 3- World Brain Tumour Day is observed every year on June 8th.

Which of the following given above is/are correct

- a) 1 only b) 1 and 3 only

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

Que-3 What are 'carbon bombs'?

- 1- It is "an oil or gas project that will result in at least a billion tonnes of CO2 emissions over its lifetime."
- 2- Term is coined by the United Nations Environment Programme (UNEP).

Which of the following given above is/are correct

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

Que-4 What are 'green jobs', mentioned by PM in his Environment Day speech?

- 1- 'Green jobs' refer to a class of jobs that directly have a positive impact on the planet, and contribute to the overall environmental welfare.
- 2- The Skill Council for Green Jobs was launched by the Union government on this year Environment Day.
- 3- Jobs involving renewable energy, conservation of resources, ensuring energy efficient means are categorised under the same.

Which of the following given above is/are correct

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

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

Que-5 With reference to State Food Safety Index (SFSI), consider the following statements

1- To measure the performance of States across five parameters of food safety in an effort to galvanize States/UTs to work towards ensuring safe food for citizens.

2- SFSI was started in 2018-19 with the aim of creating a competitive and positive change in the food safety ecosystem in the country.

3- The index will help in providing safe and nutritious food to the citizens.

Which of the following given above is/are correct

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

Que-6 With reference to Unified Payments Interface (UPI), consider the following statements about

1- It's an instant real-time payment system developed by National Payments Corporation of India (NPCI).

2- It facilitates only inter-bank peer-to-peer (P2P) transactions.

3- The interface is regulated by the Reserve Bank of India (RBI) and works by

instantly transferring funds between two bank accounts on a mobile platform.

Which of the following given above is/are correct

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

Que-7 With reference to Monetary policy, consider the following statements

1- The primary objective of the RBI's monetary policy is to maintain price stability while keeping in mind the objective of growth.

2- Under Section 45ZB of the amended RBI Act, 1934, the central government is empowered to constitute a ten-member Monetary Policy Committee (MPC) to determine the policy interest rate required to achieve the inflation target.

3- The MPC shall consist of the RBI Governor as its ex officio chairperson, the Deputy Governor in charge of monetary policy, an officer of the Bank to be nominated by the Central Board, and seven persons to be appointed by the central government.

Which of the following given above is/are correct

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

Que-8 With reference to Minimum support price, consider the following statements

1- Minimum Support Price (MSP) is a form of market intervention by the Government of India to insure agricultural producers against any sharp fall in farm prices.

2- The minimum support prices are announced by the Government of India at the beginning of the sowing season for certain crops on the basis of the recommendations of the Commission for Agricultural Costs and Prices (CACP).

3- The major objectives are to support the farmers from distress sales and to procure food grains for public distribution.

Which of the following given above is/are correct

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

ANSWER

1- (d)

- World Oceans Day is celebrated annually on 8 June.
- World Oceans Day is observed to highlight the importance of water bodies as they provide shelter to countless fauna and flora which provide us with life-saving oxygen. Furthermore, it is celebrated to generate awareness about human activities like dumping plastic pollution, garbage disposal, oil leaks to send a message to save the oceans.
- The Oceans Institute of Canada brought the idea of celebrating global ocean day at the Earth Summit of the UN Conference on Environment and Development (UNCED) in 1992. After 16 years, the UN General Assembly passed a resolution in 2008 to designate 8 June as World Oceans Day.

2- (b)

- The large majority of the brain tumours are non-cancerous but irrespective of their nature all of them creates a pressure inside the brain.
- Observed every year on June 8th since 2000, World Brain Tumour Day is marked to raise awareness and

educate people about brain tumours and pay tribute to those affected by it.

- The brain is enclosed in a thick bone called skull which is needed to protect the brain but if any tumour grows in the brain, it adds on to the limited space present in the skull and as the tumour grows, it increases the pressure in the brain which causes symptoms. The large majority of the brain tumours are non-cancerous but irrespective of their nature all of them creates a pressure inside the brain.

3- (a)

- Whenever coal, oil, or gas is extracted it results in pollution and environmental degradation. Further, carbon emissions take place in particularly large amounts when fuel is burned.
- The usage of the term 'carbon bombs' picked up after an investigative project of The Guardian from May this year. The project reported the plans of countries and private companies all over the world to engage in 195 'carbon bomb' projects. Each such project, it is believed, will release huge amounts of CO₂ emissions into the atmosphere.

4- (b)

- In all, they're aimed at reducing the negative environmental impact of economic sectors and furthering the process of creating a low-carbon economy.

- The Skill Council for Green Jobs was launched by the Union government on October 1, 2015. Aligned to the National Skill Development Missions, it was set up to be a not-for-profit, independent, industry-led initiative. Promoted by the Ministry of New and Renewable Energy (MNRE) and the Confederation of Indian Industry (CII), the council aims to help manufacturers and other service providers in India's 'green business' sector to implement industry-led, collaborative skills push the country on the path to truly realising the real potential and significance of 'green jobs'.

5- (c)

- The State Food Safety Index (SFSI) measures the performance of States on the basis of five parameters prescribed by the Health Ministry. The rating is done by the Food Safety and Standards Authority of India (FSSAI).
- Tamil Nadu topped the State Food Safety Index this year, followed by Gujarat and Maharashtra this year. Among the smaller States, Goa stood first, followed by Manipur and Sikkim.

Among the Union Territories, Jammu and Kashmir, Delhi and Chandigarh secured first, second and third ranks.

6- (b)

- It facilitates inter-bank peer-to-peer (P2P) and person-to-merchant (P2M) transactions.

7- (a)

- The primary objective of the RBI's monetary policy is to maintain price stability while keeping in mind the objective of growth. Price stability is a necessary precondition to sustainable growth.
- The first such MPC was constituted on September 29, 2016.
- Section 45ZB lays down that "the Monetary Policy Committee shall determine the Policy Rate required to achieve the inflation target", and that "the decision of the Monetary Policy Committee shall be binding on the Bank".
- Under Section 45ZB of the amended RBI Act, 1934, the central government is empowered to constitute a six-member Monetary Policy Committee (MPC) to determine the policy interest rate required to achieve the inflation target.

- The MPC shall consist of the RBI Governor as its ex officio chairperson, the Deputy Governor in charge of monetary policy, an officer of the Bank to be nominated by the Central Board, and three persons to be appointed by the central government.

8- (c)

- Minimum Support Price (MSP) is a form of market intervention by the Government of India to insure agricultural producers against any sharp fall in farm prices. The minimum support prices are announced by the Government of India at the beginning of the sowing season for certain crops on the basis of the recommendations of the Commission for Agricultural Costs and Prices (CACP).
- MSP is price fixed by Government of India to protect the producer - farmers - against excessive fall in price during bumper production years. The minimum support prices are a guarantee price for their produce from the Government. The major objectives are to support the farmers from distress sales and to procure food grains for public distribution. In case the market price for the commodity falls below the announced minimum price due to bumper production and glut in the market, government agencies purchase the

entire quantity offered by the farmers
at the announced minimum price.

GES
REPORTER

Que-1 With reference to Fast radio burst (FRB), consider the following statements

- 1- Fast radio bursts are extremely bright radio pulses from distant galaxies.
- 2- They last for only a few milliseconds.
- 3- Decaying stars form Fast Radio Bursts and produce so much energy in so little time.

Which of the following given above is/are correct

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

Que-2 With reference to International Atomic Energy Agency (IAEA), consider the following statements

- 1- It is an international organization that seeks to promote the peaceful use of nuclear energy, and to inhibit its use for any military purpose, including nuclear weapons.
- 2- Based in Geneva..
- 3- Established independently of the United Nations through its own international treaty, the IAEA Statute.

Which of the following given above is/are correct

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

Que-3 Consider the following statements about A rhino reintroduction programme under the Indian Rhino Vision 2020

- 1- It was started in 2020.
- 2- This entailed the translocation of rhinos from Kaziranga National Park and Pobitora Wildlife Sanctuary besides orphans hand-reared at the Centre for Wildlife Rehabilitation and Conservation at Kaziranga.

Which of the following given above is/are correct

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

Que-4 With reference to World Investment Report, recently released by United Nations Conference on Trade and Development (UNCTAD), consider the following statements

- 1- India jumped one notch up to attain the seventh position among top recipients of foreign direct investment (FDI) in calendar year 2021.
- 2- FDI in China grew 21% and in Southeast Asia by 44% but South Asia went the other way, falling 26% as flows to India shrank to \$45 billion.
- 3- The top recipient of FDI was the US followed by China and Russia.

Which of the following given above is/are correct

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

Que-5 The Prime Minister had recently inaugurated the headquarters of the Indian National Space Promotion and Authorisation Centre (IN-SPACe) at

- a) Pune
b) Bengaluru
c) New Delhi
d) Ahmedabad

Que-6 What is Amyloidosis?

- 1- Amyloidosis is a rare disease that occurs when an abnormal protein, called amyloid, builds up in one's organs, affecting their shape and functioning.
- 2- Amyloid deposits can build up in the heart, brain, kidneys, spleen and other parts of the body, leading to life-threatening conditions like organ failure.
- 3- Amyloidosis can only be a secondary to a different health condition.

Which of the following given above is/are correct

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

Que-7 With reference to Greenfield project, consider the following statements

- 1- A Greenfield project is one which is not constrained by prior work.
- 2- It is constructing on unused land where there is no need to remodel or demolish an existing structure.
- 3- Those facilities which are modified/upgraded are called brownfield projects.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about Hypogonadism

- 1- It is a condition caused by the deficiency of the male sex hormone, testosterone.
- 2- Testosterone replacement therapy is the standard treatment for hypogonadism, which can cause sexual dysfunction, weakening of bones and muscles, and reduced quality of life.
- 3- Hypogonadism, commonly referred to by the symptom "low testosterone" or "Low T," can also decrease other hormones secreted by the gonads.

Which of the following given above is/are correct

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

ANSWER

1- (a)

- FRBs are bright flashes of light that appear for a few milliseconds and then vanish. Since the first FRB was discovered in 2007, 140 more were discovered until June 2021.

2- (b)

- The IAEA was established as an autonomous organization on 29 July 1957. Though established independently of the United Nations through its own international treaty, the IAEA Statute, the IAEA reports to both the United Nations General Assembly and Security Council.
- Based in Vienna, Austria.

3- (b)

- It was started in 2006.

4- (a)

- India jumped one notch up to attain the seventh position among top recipients of foreign direct investment (FDI) in calendar year 2021 even as flows shrank to \$45 billion from \$64 billion in 2020.

- Outward FDI from South Asia, mainly from India, rose 43% to \$16 billion.
- Flows to India declined to \$45 billion. However, a flurry of new international project finance deals were announced in the country: 108 projects, compared with 20 projects on average for the last 10 years. The largest number of projects (23) was in renewables. Large projects include the construction in India of a steel and cement plant for \$13.5 billion by Arcelormittal Nippon Steel (Japan) and the construction of a new car manufacturing facility by Suzuki Motor (Japan) for \$2.4 billion.
- The top 10 economies for FDI inflows in 2021 were the US, China, Hong Kong, Singapore, Canada, Brazil, India, South Africa, Russia and Mexico but among them only India witnessed a decline in inflows.

5- (d)

- PM inaugurates headquarters of IN-SPACe at Bopal, Ahmedabad.
- The establishment of IN-SPACe was announced in June 2020. It is an autonomous and single window nodal agency in the Department of Space for the promotion, encouragement and regulation of space activities of both government and private entities. It

also facilitates the usage of ISRO facilities by private entities.

hormones secreted by the gonads including progesterone, DHEA, anti-Müllerian hormone, activin, and inhibin.

6- (a)

- Amyloid isn't normally found in the body, but can be formed from several different types of proteins. Some varieties of amyloidosis occur in association with other diseases. These types may improve with treatment of the underlying disease. Some varieties of amyloidosis may lead to life-threatening organ failure.
- Amyloidosis may be secondary to a different health condition or can develop as a primary condition as well. Sometimes, it is due to a mutation in a gene, but usually, the cause of amyloidosis remains unknown.
- Light-chain (AL) amyloidosis is the most common type in developed countries which can affect the kidneys, spleen, heart, and other organs. People with conditions such as multiple myeloma or a bone marrow illness are more likely to have AL amyloidosis.

7- (c)

8- (c)

- Hypogonadism, commonly referred to by the symptom "low testosterone" or "Low T," can also decrease other

Que-1 With reference to Ramsay Hunt Syndrome, consider the following statements

- 1- It's a neurological disease.
- 2- In this a bacteria – Varicella Zoster – causes inflammation of the nerves involved in facial movements.
- 3- Ramsay Hunt Syndrome is the bacterial infection impacting the 7th cranial nerve.

Which of the following given above is/are correct

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

Que-2 With reference to Varicella Zoster Virus (VZV), consider the following statements

- 1- It is the same virus that causes Covid-19.
- 2- This virus belongs to the herpesvirus group and can stay in the body as a latent infection.
- 3- VZV can get reactivated due to weakening of the immune system.

Which of the following given above is/are correct

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

Que-3 What are 'red flag' laws in US?

- 1- These laws allow courts to issue a special protection order which authorises the police to permanently confiscate guns from people that display concerning behaviour, such as issuing threats of harm.
- 2- The first 'red-flag' law was introduced in Connecticut in 1999.

Which of the following given above is/are correct

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

Que-4 With reference to Cryptocurrency, consider the following statements

- 1- It is a digital or virtual currency that is secured by cryptography, which makes it nearly impossible to counterfeit or double-spend.
- 2- The word "cryptocurrency" is derived from the encryption techniques which are used to secure the network.
- 3- Investing in crypto is illegal in India.

Which of the following given above is/are correct

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

Que-5 Union Finance Minister will dedicate to the nation 'Dharohar', the National Museum of Customs and GST

- 1- It is located in Bhopal, MP.
- 2- On the banks of the Narmada River.
- 3- Dharohar is one of its kind museums in the country that showcases not only the artefacts seized by Indian Customs across the country but also depicts basic Customs procedures for the knowledge of general publi.

Which of the following given above is/are correct

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

Que-6 Consider the following statements about WTO Ministerial Conference

- 1- The topmost decision-making body of the WTO is the Ministerial Conference, which usually meets every year.
- 2- It brings together all members of the WTO, all of which are countries or customs unions.
- 3- The Ministerial Conference can take decisions on all matters under any of the multilateral trade agreements.

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only

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

Que-7 With reference to recently launched "CiSS application" under the Baal Swaraj portal, consider the following statements

- 1- Launched by The National Commission for the Protection of Child Rights (NCPCR).
- 2- To help in the rehabilitation process of Children in Street Situations. (CiSS).
- 3- The program embodies Article 51 (A) of the Constitution of India, as it provides a platform to the public and organizations catering to the welfare of the children to report any child in need of assistance.

Which of the following given above is/are correct

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

Que-8 State-owned NHA has created a Guinness World Record for laying longest bituminous lane of 75 kilometres in 105 hours and 33 minutes on the national highway between Amravati and Akola districts in Maharashtra, which is part of NH 53. So about NH 53, consider the following statement

- 1- It connects Hajira in Gujarat and Paradeep port in Odisha.
- 2- NH-53 traverses the states of Gujarat, Maharashtra, Chhattisgarh and Odisha in India.
- 3- It connects major cities like Kolkata, Raipur, Nagpur and Surat.

Which of the following given above is/are correct

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

ANSWER

- 1- (a)
 - In this a virus – Varicella Zoster – causes inflammation of the nerves involved in facial movements.
 - Ramsay Hunt Syndrome is the viral infection impacting the 7th cranial nerve.
 - When the nerves get inflamed, they lose their ability to function, leading to

temporary facial palsy or paralysis. What it means is that facial muscles in the infected person cannot receive necessary signals to function properly.

- There are 12 cranial nerves in the body. Ramsay Hunt Syndrome is the viral infection impacting the 7th cranial nerve that is involved in facial movements. The inflammation caused by the Varicella Zoster Virus makes the nerve ineffective.

2- (d)

- The Varicella Zoster Virus (VZV) is the same virus that causes chickenpox and shingles. According to the US Centre for Disease Control and Prevention, this virus belongs to the herpesvirus group and can stay in the body as a latent infection. The virus can stay dormant in a person's body and can reawaken to attack the nerves.

- VZV can get reactivated due to weakening of the immune system. Stress is also considered a trigger, according to some studies, as it depresses the immune system. Some reports also suggest that T-cell dysfunction caused by coronavirus infection can reactivate VZV.

3- (b)

- These laws allow courts to issue a special protection order which authorises the police to temporarily confiscate guns from people that display concerning behaviour, such as issuing threats of harm. If the judge determines them to be dangerous to themselves or others, they can be barred from possessing or purchasing new firearms.
- The 'extreme risk protection laws', known informally as 'red-flag' laws, are among the possible solutions offered to tackle the endemic gun violence in the United States.
- The first 'red-flag' law was introduced in Connecticut in 1999, after a mass shooting occurred in the state the previous year.
- Baal Swaraj is a portal launched by NCPCR for online tracking and digital real-time monitoring mechanism of children in need of care and protection. The portal has two functions- COVID care and CiSS. COVID Care link caters to the children who have lost either or both parents due to COVID-19 or otherwise post March 2020.
- This portal, developed by, NCPCR is a first-of-its-kind initiative in India to help children in street situations. The CiSS application is used for receiving data of children in street situations from all the states and union territories, tracking their rescue and rehabilitation process. The initiative is taken under the direction of the Supreme Court of India.

4- (a)

- Investing in crypto is not Illegal.

5- (d)

- It is located in Panaji, Goa.
- On the banks of the Mandovi River.

6- (d)

- The topmost decision-making body of the WTO is the Ministerial Conference, which usually meets every two years.

7- (c)

8- (c)

Que-1 Cabinet had recently approves Memorandum of Understanding between India and Australia for Technical Cooperation for Australia-India Water Security Initiative (AIWASI). Consider the following statements about this

1- MoU would reinforce bilateral cooperation between the two countries in the area of urban water security.

2- The MoU has been signed in December, 2021.

3- This would encourage climate resilient water management practices; enhance community participation in water management and improve social inclusion through initiatives for accessible infrastructure.

Which of the following given above is/are correct

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

Que-2 With reference to NewSpace India Ltd (NSIL), consider the following statements

1- A Public Sector Enterprise under the administrative control of the Department of Space.

2- The Union Cabinet had recently approved increasing the authorised share capital of NSIL from Rs 1,000 crore to Rs 2,500 crore.

3- NSIL is the commercial wing of the Indian Space Research Organisation (ISRO).

Which of the following given above is/are correct

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

Que-3 With reference to National Ayurveda Research Institute for Panchakarma (NARIP), consider the following statements

1- NARIP is one of the premier research Institute under the Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of AYUSH.

2- This is the fifth Institute under CCRAS to get NABL accreditation for its clinical laboratory services.

Which of the following given above is/are correct

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

Que-4 With reference to Technology Development Fund (TDF) scheme, consider the following statements about

1- The funding for the TDF schemes had recently increased from Rs 10 crore to Rs 100 crore.

2- The scheme facilitates up to 90 per cent of the total project cost and allows

industry to work in consortium with another industry/academia.

3- The TDF scheme, executed by Defence Research and Development Organisation (DRDO), supports indigenous development of components, products, systems and technologies by MSMEs and start-ups.

Which of the following given above is/are correct

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

Que-5 What is Blue Economy?

1- Blue economy essentially refers to the multitude of ocean resources available in the country that can be harnessed to aid the production of goods and services because of its linkages with economic growth, environmental sustainability, and national security.

2- The blue economy is a vast socio-economic opportunity for coastal nations like India to utilise ocean resources for societal benefit responsibly.

3- According to the Blue Economy draft policy, the blue economy is one of the ten core dimensions for national growth.

Which of the following given above is/are correct

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

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

Que-6 With reference to Nuclear Power Corporation of India Limited (NPCIL), consider the following statements

1- It is an Indian public sector undertaking.

2- It is wholly owned by the Government of India and is responsible for the generation of electricity from nuclear power.

3- It is based in Chennai, Tamil Nadu.

Which of the following given above is/are correct

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

Que-7 Consider the following statements about Centre recently issued 'Guidelines on Prevention of Misleading Advertisements and Endorsements for Misleading Advertisements, 2022'

1- An objective to curb misleading advertisements and protect the consumers, who may be exploited or affected by such advertisements.

2- CCPA may charge penalty of Rs 10 lakh and for subsequent contravention, Rs 30 Lakh for violation.

3- The guidelines seek to ensure that consumers are not being fooled with

unsubstantiated claims, exaggerated promises, misinformation and false claims.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about Sex chromosomes

- 1- Sex chromosomes determine our biological sex.
2- Women typically have one X and one Y chromosome, while men have two Xs.
3- Some men also have XXY or XYY.

Which of the following given above is/are correct

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

ANSWER

1- (c)

- It would strengthen institutional capacities at all levels for urban water management; improve accessibility, affordability & quality of water and sanitation services; promote circular economy of water & water secure cities; encourage climate resilient water management practices; enhance community participation in water management and improve social inclusion through initiatives for accessible infrastructure.
- MoU will enable both sides to learn about technological advancements gained by two nations in key areas of urban water security and will promote exchange of learning, best practices and capacity building of institutions.

2- (b)

- The Union Cabinet had recently approved increasing the authorised share capital of NSIL from Rs 1,000 crore to Rs 7,500 crore.
- The Union Cabinet had recently approved the transfer of 10 in-orbit communication satellites from the Government of India to NewSpace India Ltd (NSIL), a Public Sector Enterprise under the administrative control of the Department of Space.

- 3- (a)
- This is the first Institute under CCRAS to get NABL accreditation for its clinical laboratory services.
- 4- (d)
- The funding for the TDF schemes had recently increased from Rs 10 crore to Rs 50 crore.
 - It may be recalled that 25 per cent of defence R&D budget was earmarked for private industry, start-ups and academia in Union Budget 2022-23. The enhanced funding is in line with the budget announcement and it will give further boost the vision of 'Aatmanirbharta in defence'.
 - The TDF Scheme aims to provide a major fillip to the defence manufacturing sector by encouraging the industry to innovate and develop defence technologies in order to place India on the self-reliance trajectory.
 - The scheme facilitates up to 90 per cent of the total project cost and allows industry to work in consortium with another industry/academia. With the enhanced funding, the industry and startups will be able to develop more complex technologies for existing and future weapon systems and platforms. Till date, 56 projects have been sanctioned under TDF scheme.
- 5- (c)
- 6- (a)
- It is based in Mumbai, Maharashtra.
 - NPCIL is administered by the Department of Atomic Energy (DAE), Prime Minister's Office (PMO).
 - NPCIL was created in September 1987 under the Companies Act 1956, "with the objective of undertaking the design, construction, operation and maintenance of the atomic power stations for generation of electricity in pursuance of the schemes and programmes of the Government of India under the provision of the Atomic Energy Act 1962." All nuclear power plants operated by the company are certified for ISO-14001 (Environment Management System).
 - NPCIL was the sole body responsible for constructing and operating India's commercial nuclear power plants till setting up of BHAVINI Vidyut Nigam) in October 2003
- 7- (b)
- CCPA may charge penalty of Rs 10 lakh and for subsequent contravention, Rs 50 Lakh for violation.

- The guidelines seek to ensure that consumers are not being fooled with unsubstantiated claims, exaggerated promises, misinformation and false claims. Such advertisements violates various rights of consumers such as right to be informed, right to choose and right to be safeguarded against potentially unsafe products and services.
- The CCPA has been established under section 10 of the Consumer Protection Act, 2019 for regulating matters relating to violation of the rights of the consumers, unfair trade practices and false or misleading advertisements which are prejudicial to the interests of public and consumers and to promote, protect and enforce the rights of consumers as a class.
- Misleading advertisement has already been defined under section 2(28) of the Consumer Protection Act, 2019.
- The present guidelines define “bait advertisement”, “surrogate advertisement” and clearly provides what constitutes as “free claim advertisements”.

- Men with either XXY or XYY had higher risks of several other health conditions. They were three times more likely to have type 2 diabetes, six times more likely to develop venous thrombosis, three times as likely to experience pulmonary embolism, and four times more likely to suffer from chronic obstructive pulmonary disease (COPD).
-

8- (b)

- Men typically have one X and one Y chromosome, while women have two Xs.

Que-1 As per the Article 54 of the Constitution of India, the President is elected by the members of the Electoral College consisting of

- 1- Elected members of both Houses of Parliament.
- 2- Elected members of the Legislative Assemblies of all States including National Capital Territory of Delhi and the Union Territory of Puducherry.
- 3- The nominated members of Rajya Sabha and Lok Sabha.

Which of the following given above is/are correct

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

Que-2 With reference to National e-Governance Service Delivery Assessment 2021 Report, consider the following statements

- 1- In the Union territories category, Ladakh was assessed for the first time in NeSDA 2021 and scored the highest amongst all UTs for six sectors.
- 2- Meghalaya and Nagaland are the leading State Portals with an overall compliance of more than 90 per cent across all assessment parameters among the northeast and hill states.

3- Kerala, Odisha, Tamil Nadu, Punjab, Karnataka and Uttar Pradesh had a compliance of more than 85 per cent among the Remaining States category.

Which of the following given above is/are correct

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

Que-3 With reference to Indian Railways Innovation Policy, "StartUps for Railways", recently launched, consider the following statements

- 1- This will bring scale and efficiency in the field of operation, maintenance as well as the creation of infrastructure through the participation of very large and untapped startup ecosystem.
- 2- To improve operational efficiency & safety.
- 3- Through this platform, start ups will get an opportunity to connect with the national transporter.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about World Day against Child Labour

1- Every year, June 16 is marked as the World Day against Child Labour.

2- A 2017 report from the International Labour Organisation (ILO) estimated that in India 20 percent of all children between the ages of 15 and 17 were engaged in hazardous industries and jobs.

3- The theme for this year is “Universal Social Protection to End Child Labour”.

Which of the following given above is/are correct

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

Que-5 With reference to Bay of Bengal Initiative for Multi-Sectoral Technical and Economic Cooperation (BIMSTEC) Technology Transfer Facility (TTF), consider the following statements

1- The main objectives of the BIMSTEC TTF are to coordinate, facilitate and strengthen cooperation in technology transfer among the BIMSTEC Member States.

2- The TTF shall have a Governing Board and the overall control of activities of the TTF shall be vested in the Governing Board.

3- Cabinet had recently approves Memorandum of Association (MoA) by India for establishment of BIMSTEC Technology Transfer Centre at Dhaka, Bangladesh.

Which of the following given above is/are correct

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

Que-6 Consider the following statements about Diarrhoea

1- Childhood diarrhoeal diseases continue to be a major killer among under - five children in many states of India, contributing to 10% of under five deaths in the country.

2- The normally frequent or loose stools of a breastfed baby are also diarrhea.

3- It is more common in settings of poor sanitation and hygiene, including a lack of safe drinking water.

Which of the following given above is/are correct

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

Que-7 With reference to Agnipath scheme for recruiting soldiers, consider the following statements

1- Under the scheme, around 45,000 to 50,000 soldiers will be recruited annually, and most will leave the service in just four years.

2- Of the total annual recruits, only 10 per cent will be allowed to continue for another 15 years under permanent commission.

3- Under the Agnipath scheme, aspirants between the ages of 17.5 years and 21 years will be eligible to apply.

Which of the following given above is/are correct

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

Que-8 What are neobanks?

1- Neobanks are financial institutions that give customers a cheaper alternative to traditional banks.

2- They leverage technology and artificial intelligence to offer personalised services to customers while minimising operating costs.

3- In India, these firms don't have a bank licence of their own but rely on bank partners to offer licensed services.

Which of the following given above is/are correct

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

ANSWER

1- (a)

- The nominated members of either Rajya Sabha and Lok Sabha or Legislative Assemblies of the States are not eligible to be included in the Electoral College and therefore, they are not entitled to participate in the election. Similarly, members of the Legislative Councils are also not electors for the Presidential election.

2- (d)

- In the Union territories category, Jammu and Kashmir was assessed for the first time in NeSDA 2021 and scored the highest amongst all UTs for six sectors.
- According to the report, Kerala had the highest overall compliance score amongst all the States and UTs.
- Among the Services Portals for North-East and Hill States, the highest-ranking states of Meghalaya and Tripura showed improvement across

all six sectors compared to NeSDA 2019.

- Among the Remaining States, the overall score of Tamil Nadu increased the most in 2021 compared to 2019.
- Andhra Pradesh, Kerala, Punjab, Goa, and Odisha also improved the compliance of their Services Portals by 100 per cent.
- Punjab, Tamil Nadu, and Rajasthan are the leading states with compliance of more than 75 per cent across all parameters for their Services Portals.

3- (c)

Some of the salient details of Indian Railways' Innovation Policy:

- 1) Grant up to an amount of Rs 1.5 crore to innovator on basis of equal sharing with provision of milestone-wise payment
- 2) Entire process from floating of problem statement to prototype development is online with defined time line to make it objective and transparent
- 3) Prototypes' trials will be done in Indian Railways. On successful performance of prototypes, enhanced funding will be provided to scale up deployment.
- 4) Innovators will be selected by a transparent and fair system which will be dealt through online portal

5) Developed Intellectual property rights will only remain with the innovator

6) Assured developmental order to innovator

7) De-centralization of the complete process of product development at divisional level in order to avoid delays

4- (d)

- Every year, June 12 is marked as the World Day Against Child Labour.
- A 2017 report from the International Labour Organisation (ILO) estimated that in India 20 percent of all children between the ages of 15 and 17 were engaged in hazardous industries and jobs, and over 12 million children were engaged in work before the age of 17.

5- (a)

- Cabinet had recently approves Memorandum of Association (MoA) by India for establishment of BIMSTEC Technology Transfer Centre at Colombo, Sri Lanka.
- The main objectives of the BIMSTEC TTF are to coordinate, facilitate and strengthen cooperation in technology transfer among the BIMSTEC Member States by promoting the transfer of technologies, sharing of experiences and capacity building.

- The TTF shall have a Governing Board and the overall control of activities of the TTF shall be vested in the Governing Board. The Governing Board shall consist of one nominee from each Member State.

The expected outcomes of the BIMSTEC TTF are:

- Databank of technologies available in BIMSTEC Countries,
 - Repository of information on good practices in the areas of technology transfer management, standards, accreditation, metrology, testing and calibration facilities,
 - Capacity building, sharing of experiences and good practices in development, and
 - Transfer and use of technologies among BIMSTEC countries.
- 6- (b)
- The normally frequent or loose stools of a breastfed baby are not diarrhea.
- 7- (b)
- Of the total annual recruits, only 25 per cent will be allowed to continue for another 15 years under permanent commission.
 - The move will make the permanent force levels much leaner for the over

13-lakh strong armed forces in the country.

- This will, in turn, considerably reduce the defence pension bill, which has been a major concern for governments for many years.
 - The new system is only for personnel below officer ranks (those who do not join the forces as commissioned officers).
 - Under the Agnipath scheme, aspirants between the ages of 17.5 years and 21 years will be eligible to apply. The recruitment standards will remain the same, and recruitment will be done twice a year through rallies.
- 8- (c)
- In India, these firms don't have a bank licence of their own but rely on bank partners to offer licensed services. That's because the Reserve Bank of India (RBI) doesn't allow banks to be 100% digital yet (though some foreign banks offer digital-only products through their local units.) The RBI remains unwavering in prioritising banks' physical presence, and has spoken about the need for digital banking service providers to have some physical presence as well.
 - Traditional banks have many advantages over neobanks, such as

funding and -- most importantly -- customers' trust. However, legacy systems are weighing them down and they find it difficult to adapt to the growing needs of a tech-savvy generation.

- While neobanks don't have the funds or customer base to overthrow traditional banks, they have something special in their arsenal -- innovation. They can launch features and develop partnerships to serve their customers much more quickly than traditional banks.
-

GES
REPORTER

Que-1 With reference to Crypto lending, consider the following statements

- 1- This is essentially banking – for the crypto world.
- 2- Crypto users that deposit their bitcoin or ether at crypto lenders also earn money, usually in cryptocurrency.
- 3- Crypto lenders offer much lower returns.

Which of the following given above is/are correct

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

Que-2 In which State/UT a unique programme is running to enhance transparency in the land records maintenance system known as - 'Aapki Zameen Aapki Nigrani' (AZAN) - which is aimed at facilitating easy online access to the system to view or monitor the status of revenue records.

- a) Kerala
- b) Manipur
- c) Himachal Pradesh
- d) Jammu and Kashmir

Que-3 Consider the following statements about RBI Central Board

1- The board is appointed by the Government of India in keeping with the Reserve Bank of India Act.

2- Members are Appointed/nominated for a period of three years.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about Albinism

1- Albinism is a rare and genetically inherited health condition present at birth, which results in a lack of pigmentation (melanin) in the hair, skin and eyes.

2- This causing vulnerability to the sun and bright light but is contagious.

3- The theme for International Albinism Awareness Day 2022 is “United in making our voice heard”.

Which of the following given above is/are correct

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

Que-5 With reference to Bharat Gaurav scheme, consider the following statements

1- According to the Bharat Gaurav policy, any operator or service provider, or virtually anyone, can lease trains from Indian Railways to run on a theme-based circuit as a special tourism package.

2- The tenure of the arrangement is a minimum of five years and maximum of the codal life of the coach.

3- The operator has the freedom to decide the route, the halts, the services provided, and, most importantly, the tariff.

Which of the following given above is/are correct

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

Que-6 With reference to Bear market, consider the following statements

1- Bear markets occur when prices in a market decline by more than 25%, often accompanied by negative investor sentiment and declining economic prospects.

2- Bear markets can be cyclical or longer-term.

3- Short selling, put options, and inverse ETFs are some of the ways in which investors

can make money during a bear market as prices fall.

Which of the following given above is/are correct

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

Que-7 Steel Minister had recently inaugurated a six-lane highway in Surat made of steel slag -- a first for the country, consider the following statements

1- Slag is a by-product of steel manufacturing.

2- Use of such material in road construction shall not only increase its durability but also help in reducing the cost of construction as slag-based materials have better properties than natural aggregates.

3- The use of steel slag in road construction will also address the shortage of natural aggregates in the country.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about Cost inflation index (CII)

1- The CII is used to compute an asset's inflation-adjusted cost price.

2- It can also be utilised for gains on equity shares and equities mutual funds that are taxed at a rate of 10% without any indexation benefit.

3- CII number will assist in determining the long-term capital gains on which we are required to pay taxes when file income tax returns (ITR) next year.

Which of the following given above is/are correct

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

ANSWER

1- (a)

- While savings at traditional banks offer paltry returns due to historically low interest rates, crypto lenders offer much higher returns – at the very top end as much as 20%, though rates depend on the tokens being deposited.
- Crypto lenders make money by lending – also for a fee, typically between 5%-10% – digital tokens to investors or crypto companies, who might use the tokens for speculation,

hedging or as working capital. The lenders profit from the spread between the interest they pay on deposits and that charged on loans.

2- (d)

- Citizens no longer need to visit the offices for obtaining information about their land. AZAN has empowered them to check their land records on CIS Portal.

3- (a)

- Members are Appointed/nominated for a period of four years.

4- (b)

- Albinism is a rare and genetically inherited health condition present at birth, which results in a lack of pigmentation (melanin) in the hair, skin and eyes, causing vulnerability to the sun and bright light but is also non-contagious.
- There is no cure for the absence of melanin that is central to albinism and almost all people with albinism are visually impaired and are prone to developing skin cancer and in some countries, a majority of persons with albinism die from skin cancer between 30 and 40 years of age.

- International Albinism Awareness Day is observed by the United Nations on June 13 every year.
 - The United Nations Human Rights Council adopted a resolution in 2013 calling for the prevention of attacks and discrimination against persons with albinism since it is still profoundly misunderstood, socially and medically and the physical appearance of persons with albinism is often the object of erroneous beliefs and myths influenced by superstition, which foster their marginalization and social exclusion and leads to various forms of stigma and discrimination.
 - On 18 December 2014, the General Assembly adopted a resolution proclaiming, with effect from 2015, 13 June as International Albinism Awareness Day.
- 5- (b)
- The tenure of the arrangement is a minimum of two years and maximum of the codal life of the coach.
 - The IRCTC runs such theme-based tourist trains, for instance, the Ramayana Express, which goes on a tour of several places connected to Lord Ram.
 - In such packaged tours, typically the passengers stop over at a place, stay at hotels, undertake sightseeing, etc. — all organised by tour operators.
- 6- (d)
- The Bharat Gaurav operator will also have to propose a similar business model wherein it takes care of local transport, sightseeing, food, local stays, etc. along with operating the trains.
 - Bear markets occur when prices in a market decline by more than 20%, often accompanied by negative investor sentiment and declining economic prospects.
 - Bear markets can be cyclical or longer-term. The former lasts for several weeks or a couple of months and the latter can last for several years or even decades.
- 7- (c)
- The use of steel slag in road construction will also address the shortage of natural aggregates in the country. The production of steel slag in India from different process routes is likely to increase by 2030.
- 8- (b)
- The CII is used to compute an asset's inflation-adjusted cost price. Long-term capital gains or losses are then calculated using the inflation-adjusted

price. The CII figure is used to compute the inflation adjusted value of assets including land, buildings, houses, gold jewellery, debt mutual funds, and so on. It cannot, however, be utilised for gains on equity shares and equities mutual funds that are taxed at a rate of 10% without any indexation benefit.

- The formula to calculate inflation-adjusted cost price is: $(\text{CII of the year of sale} / \text{CII for the year of purchase}) * \text{Actual cost price}$.
 - The government declared in Budget 2017 that the base year would be changed from 1981 to 2001 due to challenges in obtaining appropriate information by taxpayers. In the case of an asset purchased prior to April 1, 2001, the cost of the asset is regarded as the fair market value on April 1, 2001.
-

Que-1 Recently a report released by Social Justice and Empowerment Ministry for a national survey carried out by the NGO HelpAge India on the eve of World Elder Abuse Awareness Day. The findings are

- 1- As many as 47% of elderly people are economically dependent on their families for income.
- 2- 64% are relied on pensions and cash transfers.
- 3- 40% of the surveyed people have expressed the desire to work "as long as possible".

Which of the following given above is/are correct

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

Que-2 Consider the following statements about Press Council of India (PCI)

- 1- It is a statutory, adjudicating organisation formed in 1966 by parliament.
- 2- The Council has a chairman – traditionally, a retired Chief Justice of India, and 28 additional members.
- 3- The Press Council of India has issued the "Norms of Journalistic Conduct", which is one of two journalism-related codes in use in India.

Which of the following given above is/are correct

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

Que-3 With reference to stagflation, consider the following statements

- 1- In economics, stagflation or recession-inflation is a situation in which the inflation rate is high, the economic growth rate is also high but unemployment remains steadily high.
- 2- It presents a dilemma for economic policy, since actions intended to lower inflation may exacerbate unemployment.
- 3- Stagflation can result when the economy faces a supply shock, such as a rapid increase in the price of oil.

Which of the following given above is/are correct

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

Que-4 With reference to Periodic Labour Force Survey (PLFS), consider the following statements

- 1- Released by National Statistics Organisation (NSO).
- 2- It was launched in April 2017.
- 3- The PLFS is based on stratified random samples.

Which of the following given above is/are correct

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

Que-5 What are microplastics?

- 1- Microplastics are tiny plastic debris that are smaller than 5 mm in length, tinier than even a grain of rice.
- 2- Secondary microplastics are tiny particles that are purposely designed as such for commercial use, like in cosmetics, nurdles-plastic pellets used in industrial manufacturing and in fibres from synthetic textiles like nylon.
- 3- Primary microplastics are formed through the degradation of larger plastic items like bottles, fishing nets and plastic bags. This occurs through exposure to the environment, like radiation from the sun, wind and ocean waves.

Which of the following given above is/are correct

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

Que-6 With reference to World Wind Day, Consider the following statements

- 1- World Wind Day is observed on June 15.
- 2- In 2007, Wind Day was observed for the first time by the United Nation (UN).
- 3- The day aims to raise awareness about the uses of wind energy and how it can shape and redefine existing energy systems.

Which of the following given above is/are correct

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

Que-7 With reference to South Asia Subregional Economic Cooperation (SASEC) Program, consider the following statements

- 1- Set up in 2001
- 2- This brings together Bangladesh, Bhutan, India, Maldives, Myanmar, Nepal, and Sri Lanka in a project-based partnership to promote regional prosperity by improving cross-border connectivity, boosting trade among member countries, and strengthening regional economic cooperation.

3- The Shanghai, China based Asian Development Bank (ADB) serves as the Secretariat for the SASEC member countries.

Which of the following given above is/are correct

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

Que-8 Bureau of Indian Standards (BIS), the National Standards Body of India, has recently developed an Indian Standard, IS 17693: 2022 for 'non-electric cooling cabinet made of clay'. About this

- 1- Named as 'Mitticool refrigerator'.
2- Shri Mansukh Bhai Prajapati from Gujarat is the innovator behind the refrigerator which projects an eco-friendly technology.
3- This operates on the principle of evaporative cooling.

Which of the following given above is/are correct

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

ANSWER

- 1- (b)
- 87% elders reported there is availability of healthcare facilities nearby, however 78% elders mentioned unavailability of app-based online healthcare facilities and a significant 67% elderly reported they do not have any health insurance at this critical stage in their lives and only 13% are covered under government insurance schemes.
 - 34% are relied on pensions and cash transfers.
- 2- (b)
- The Council has a chairman – traditionally, a retired Supreme Court judge, and 28 additional members.
- 3- (d)
- In economics, stagflation or recession-inflation is a situation in which the inflation rate is high, the economic growth rate slows, and unemployment remains steadily high.
 - Economists offer two principal explanations for why stagflation occurs. First, stagflation can result when the economy faces a supply shock, such as a rapid increase in the price of oil. An unfavourable situation like that tends to raise prices at the

same time as it slows economic growth by making production more costly and less profitable.

- Second, the government can cause stagflation if it creates policies that harm industry while growing the money supply too quickly. These two things would probably have to occur simultaneously because policies that slow economic growth do not usually cause inflation, and policies that cause inflation do not usually slow economic growth.

4- (c)

- The Periodic Labour Force Survey (PLFS) has reported that the unemployment rate for urban areas has decreased to 8.2% in January-March 2022 from 8.7% in the previous quarter (October-December 2021) and 9.3% in the same quarter in 2021.
- The Periodic Labour Force Survey (PLFS) has reported that the unemployment rate for urban areas has decreased to 8.2% in January-March 2022 from 8.7% in the previous quarter (October-December 2021) and 9.3% in the same quarter in 2021.
- The quarterly survey results for January-March of this year said the unemployment rate among females aged 15 years and above in urban areas declined to 10.1% from 11.8% a

year ago. It was 10.5% in the previous quarter. The opening up of workplaces after the lockdowns seems to have an impact on the unemployment rate. The unemployment rate among males decreased to 7.7% compared with 8% in the corresponding quarter of previous year and 8.3% in the previous quarter.

5- (a)

- Primary microplastics are tiny particles that are purposely designed as such for commercial use, like in cosmetics, nurdles-plastic pellets used in industrial manufacturing and in fibres from synthetic textiles like nylon.
- Secondary microplastics are formed through the degradation of larger plastic items like bottles, fishing nets and plastic bags. This occurs through exposure to the environment, like radiation from the sun, wind and ocean waves.

6- (b)

- World Wind Day is observed on June 15. The day aims to raise awareness about the uses of wind energy and how it can shape and redefine existing energy systems.

- World Wind Day started off as a day that can raise awareness among the general public about this energy resource. In 2007, Wind Day was observed for the first time by the European Wind Energy Association (EWEA). Two years later, in 2009, EWEA joined hands with the Global Wind Energy Council (GWEC) and renamed it World Wind Day or Global Wind Day.

coolness to foodstuffs stored in it without requiring any electricity. Fruits, vegetables, and milk can be stored reasonably fresh without deteriorating their quality.

7- (a)

- The Manila, Philippines-based Asian Development Bank (ADB) serves as the Secretariat for the SASEC member countries.

8- (c)

- These cabinets may be used to store perishable foodstuff without the need of electricity.
- This standard helps BIS in fulfilling 6 out of 17 United Nations Sustainable Development Goals (SDGs) like No poverty, Zero hunger, Gender equality, Affordable and clean energy, Industry, innovation, and infrastructure, and Responsible consumption and production.
- It is a natural refrigerator made primarily from clay to store vegetables, fruits, milk, and also for cooling water. It provides natural

Que-1 The Defence Acquisition Council (DAC) has given the Acceptance of Necessity (AoN) for several capital acquisition projects of the Indian defence forces. This includes the procurement of next-generation Corvettes for the Indian Navy at an approximate cost of Rs 36,000 crore. So, what is a Corvette?

1- A Corvette is the smallest class of naval ships and it falls below the warship class of a frigate.

2- These are highly agile ships and are categorised as missile boats, anti-submarine ships, coastal patrol crafts and fast attack naval vessels.

3- The word corvette itself is derived from Russian origin.

Which of the following given above is/are correct

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

Que-2 Consider the following statements about Protein 1 (PD1)

1- It is an inhibitory receptor that is expressed by all T cells during activation.

2- It regulates T cell effector functions during various physiological responses, including acute and chronic infection, cancer and autoimmunity, and in immune homeostasis.

3- PD1 is a type of protein that regulates certain functions of the immune system.

Which of the following given above is/are correct

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

Que-3 What is the National e-Vidhan Application (NeVA) system?

1- It is a system for digitising the legislative bodies of all Indian states and the Parliament through a single platform on which house proceedings.

2- Kerala became the first state to implement NeVA, in March this year.

3- The NeVA system has been developed to make all the work and data related to legislative bodies available online for the use of both citizens and the members of Assemblies.

Which of the following given above is/are correct

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

Que-4 What is the 'jail filling stations' plan?

1- The Haryana state will set up these jail filling stations in association with the Indian Oil Corporation Limited.

2- Every prisoners will be allowed to work at the fuel stations.

3- The profit from these fuel stations will be deposited in the Prison Welfare Industrial Fund to use the same for the welfare of prisoners.

Which of the following given above is/are correct

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

Que-5 With reference to G33 (or the Friends of Special Products in agriculture), consider the following statements

1- This is a coalition of both developed as well as developing countries.

2- It is established prior to the 2003 Cancun ministerial conference, that have coordinated during the Doha Round of World Trade Organization negotiations, specifically in regard to agriculture.

3- Dominated by India, the group has "defensive" concerns regarding agriculture in relation to World Trade Organization negotiations, and seeks to limit the degree of

market opening required of developing countries.

Which of the following given above is/are correct

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

Que-6 With reference to United Nations (UN), consider the following statements

1- The United Nations (UN) is an international organization founded in 1945.

2- It is currently made up of more than 200 Member States.

3- India is a founding member of the United Nations.

Which of the following given above is/are correct

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

Que-7 The First National Conference of Chief Secretaries chaired by Prime Minister was recently held at

- a) Dharamshala
b) Dehradun
c) Amritsar
d) Haridwar

Que-8 Consider the following statements about Indian elm or chilbil seeds

- 1- These are nutritious and have served as a ready-to-eat snack for children for ages.
- 2- The seeds are also called bandar ki roti or bread for monkeys.
- 3- When green, they can be consumed raw, mixed with salads, or can be cooked along with other vegetables.

Which of the following given above is/are correct

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

ANSWER

1- (a)

- The word corvette itself is derived from French and Dutch origin.
- The Indian Navy at present has the Kamorta Class Corvettes, which are also known as Project 28. These ships have an anti-submarine role and are manufactured at Garden Reach Shipbuilders and Engineers in Kolkata. The four Kamorta Class Corvettes that the Indian Navy possesses are named INS Kamorta, INS Kadmat, INS Kiltan and INS Kavaratti. The first of these was commissioned in 2014 and the last one in 2020.

2- (c)

- 'Mismatch repair deficient' cancer is most common among colorectal, gastrointestinal, and endometrial cancers. Patients suffering from this condition lack the genes to correct typos in the DNA that occur naturally while cells make copies.
- The immunotherapy belongs to a category called PD1 blockades that are now recommended for the treatment of such cancers rather than chemotherapy or radiotherapy. PD1 is a type of protein that regulates certain functions of the immune system, including by suppressing T cell activity, and PD1 blockade therapy looks to release the T cells from this suppression.

- The anomalies in the DNA result in cancerous growths in patients with mismatch repair deficient cancers.

3- (b)

- Nagaland became the first state to implement NeVA, in March this year.
- The National e-Vidhan Application (NeVA) is a system for digitising the legislative bodies of all Indian states and the Parliament through a single platform on which house proceedings, starred/unstarred questions and answers, committee reports etc. will

be available. Nagaland became the first state to implement NeVA, in March this year.

- The NeVA system has been developed to make all the work and data related to legislative bodies available online for the use of both citizens and the members of Assemblies. It includes a website and a mobile app.
- There has been a shift towards digitisation in recent years by the government. Prime Minister mentioned the idea of “One Nation One Legislative Platform” in November 2021.

- Dominated by India, the group has "defensive" concerns regarding agriculture in relation to World Trade Organization negotiations, and seeks to limit the degree of market opening required of developing countries.
- The group has advocated the creation of a "special products" exemption, which would allow developing countries to exempt certain products from tariff exemptions, and also a "special safeguard mechanism" which would permit tariff increases in response to import surges.

6- (b)

- It is currently made up of 193 Member States.
- The Union Cabinet chaired by the Prime Minister, has approved the proposal for signing of an agreement between the Government of India and the United Nations on a ‘Way Finding Application’ to be used in the Palais des Nations, United Nations Office at Geneva (UNOG).
- The United Nations Office at Geneva (UNOG), consisting of five buildings and 21 floors, is housed at the historic Palais des Nations. Large number of delegates, members of civil society and general public visit UNOG to participate in various meetings and conventions.

4- (b)

- The Haryana government has planned to set up fuel stations in outer premises of 11 jails in Haryana on the pattern of similar fuel stations in Telangana.
- Only convicted prisoners with good conduct who have already spent a considerable period in the jails in proportionate to their jail term will be allowed to work at the fuel stations. Undertrials are not allowed to work here.

5- (d)

- This is a coalition of developing countries.

- Keeping in view the complexity of buildings and huge participation, there was a requirement of a navigational application which can help the visitors and other delegates in finding their way inside the premises while adhering to all security perspectives.
- While the Global Positioning System (GPS) based Apps function in open space, a more precise in-building navigational App will assist the visitors in locating the room and offices.
- The project of development of 'Way Finding Application' has been conceptualized as donation from the Government of India to UN on the occasion of its 75th anniversary in 2020. The estimated financial implication for development deployment and maintenance of the App is \$ 2 Million.

7- (a)

- The First National Conference of Chief Secretaries chaired by Prime Minister was held at HPCA Stadium in Dharamshala, Himachal Pradesh.
- The concept and agenda for this conference has been curated after more than 100 rounds of deliberations spread over six months. Three themes have been identified for detailed deliberations in the

Conference: (i) Implementation of the National Education Policy; (ii) Urban governance; and (iii) Crop diversification and achieving self-sufficiency in oilseeds, pulses and other agri-commodities. Under National Education Policy, both school and higher education shall be deliberated upon. Best practices from States/ UTs under each of the themes shall be presented at the Conference for mutual learning.

8- (c)

- The tree, also known as jungle cork tree or *Holoptelea integrifolia* in scientific lexicon, is native to the country and is referred to as chilbil, papri, kanju and several other names in local languages.
- When green, they can be consumed raw, mixed with salads, or can be cooked along with other vegetables. When dried, the seeds are used as a dry fruit after removal of the wings.
- Several ethnobotanical surveys suggest that the seeds are consumed by tribal communities, particularly those in Uttar Pradesh's Sonbhadra district, Bihar's Gaya district and in Himalayan Terai region.
- Known as chirbilva in Sanskrit, the seeds have several uses in traditional medicine.

Que-1 With reference to mandatory death penalty, which Malaysian government had recently said to abolish, consider the following statements

1- In some countries, the death sentence is imposed as the mandatory or only punishment for certain crimes.

2- A judge does not have the discretion to give a lesser punishment, or to consider aspects.

3- Capital punishment in Malaysia is given mostly for blasphemy.

Which of the following given above is/are correct

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

Que-2 With reference to Pradhan Mantri Adarsh Gram Yojana (PMAGY), consider the following statements about

1- For the empowerment of deprived sections, aims to achieve integrated development of selected villages through convergent implementation of all relevant Central and State schemes.

2- The scheme was launched in March, 2010 on a pilot basis for the integrated development of 1000 villages each with more than 50% SC population.

3- The scheme is being implemented by the Ministry of Rural Development.

Which of the following given above is/are correct

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

Que-3 With reference to the National ambient air quality standards (NAAQS), consider the following statements

1- The annual national standard for PM10 and PM2.5 is 25 and 35 micrograms per cubic metre, respectively.

2- WHO's safe limit is 15 micrograms per cubic metre for PM10 and 5 micrograms per cubic metre for PM2.5.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about West Seti power project

1- It is a proposed hydroelectric dam on the Karnali River.

2- Located in the Far-Western Development Region of Nepal.

3- India will be taking over an ambitious hydropower project nearly four years after China withdrew from it, ending a six-year engagement between 2012 and 2018.

Which of the following given above is/are correct

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

Que-5 With reference to Surety Bonds, consider the following statements

1- Surety bonds are financial instruments that tie the principal, the obligee—often a government entity—and the surety.

2- In the case of surety bonds, the surety is providing a line of credit to the principal so as to reassure the obligee that the principal will fulfill their side of the agreement.

3- A surety is often used in contracts where one party's financial holdings or well-being are in question and the other party wants a guarantor.

Which of the following given above is/are correct

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

Que-6 Consider the following statements about Sovereign Gold Bonds (SGBs)

1- SGBs are government securities denominated in grams of gold.

2- The Bond is issued by Finance Ministry.

3- Investors have to pay the issue price in cash and the bonds will be redeemed in cash on maturity.

Which of the following given above is/are correct

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

Que-7 Consider the following statements about Aspirational district programme

1- Launched in January 2018.

2- It aims to quickly and effectively transform 100 most under-developed districts across the country.

3- The objective of the program is to monitor the real-time progress of aspirational districts based on 49 indicators (81 data-points) from the 5 identified thematic areas.

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only

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

Que-8 Consider the following statements about Red dunes in Tamil Nadu

- 1- The red dunes are called theri in Tamil.
- 2- They consist of sediments dating back to the Quaternary Period and are made of marine deposits.
- 3- They have very low water and nutrient retention capacity.

Which of the following given above is/are correct

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

ANSWER

- 1- (a)
 - A judge does not have the discretion to give a lesser punishment, or to consider aspects such as the circumstances in which the crime was committed or of the defendant before handing out the sentence.
 - Barring a few exceptions and certain specific offences, most countries allow capital punishment to be reduced to a life sentence or alternative sentences. Some Islamic nations have the punishment for blasphemy, the offence of contempt

against God or other sacred objects or people in a faith.

- In Pakistan, a court order in 1991 made blasphemy mandatorily punishable with death, which made the country's blasphemy laws stricter than in Saudi Arabia and Iran, which execute more people than Pakistan, but where judges have wider powers in awarding other punishments.
 - Malaysia's government, has recently said it will abolish the 'mandatory' death penalty — the required execution of individuals convicted of certain crimes. Once the government's decision comes into effect, lesser punishments can be given for these crimes.
 - Capital punishment in Malaysia is given mostly to drug offenders.
- 2- (a)
 - The scheme is being implemented by the Ministry of Social Justice and Empowerment.
 - 3- (b)
 - The annual national standard for PM10 and PM2.5 is 60 and 40 micrograms per cubic metre, respectively.

4- (d)

- It is a proposed hydroelectric dam on the Seti River.

5- (c)

- A surety is a person or party that takes responsibility for the debt, default or other financial responsibilities of another party.
- A surety is often used in contracts where one party's financial holdings or well-being are in question and the other party wants a guarantor.
- A surety bond is a legally binding contract entered into by three parties—the principal, the obligee, and the surety. The obligee, usually a government entity, requires the principal, typically a business owner or contractor, to obtain a surety bond as a guarantee against future work performance.

6- (b)

- The Bond is issued by Reserve Bank on behalf of Government of India.

7- (b)

- It aims to quickly and effectively transform 112 most under-developed districts across the country.
- The broad contours of the programme are Convergence (of Central & State

Schemes), Collaboration (of Central, State level 'Prabhari' Officers & District Collectors), and Competition among districts through monthly delta ranking; all driven by a mass movement.

- With States as the main drivers, this program focuses on the strength of each district, identifying low-hanging fruits for immediate improvement and measuring progress by ranking districts on a monthly basis. The ranking is based on the incremental progress made across 49 Key Performance Indicators (KPIs) under 5 broad socio-economic themes - Health & Nutrition, Education, Agriculture & Water Resources, Financial Inclusion & Skill Development and Infrastructure.

8- (c)

- The dunes are susceptible to aerodynamic lift. This is the push that lets something move up. It is the force that is the opposite of weight.
- The petrographical study (petrography is the study of composition and properties of rocks) and X-ray diffraction analysis (a method used to determine a material's crystallographic structure) of the red sand dunes reveal the presence of heavy and light minerals.

- The iron-rich heavy minerals like ilmenite, magnetite, garnet, hypersthene and rutile present in the soil had undergone leaching by surface water and were then oxidised because of the favourable semi-arid climatic conditions.
 - It was due to these processes that the dunes near Tiruchendur, a coastal town of Thoothukudi district are red-coloured.
-

GES
REPORTER

Que-1 With reference to the new draft National Policy for Persons with Disabilities, that will replace the 2006 policy once approved, consider the following statements

1- It calls for developing a network of 'Cross Disability Early Intervention Centres' (CDEICs) in every district of the country.

2- As per Census 2011, there are about 20.4 million children in the age group of 0-9 years who have some form of disabilities — either congenital or acquired.

3- The new policy has been drawn in keeping with the provisions of the RPwD Act and the vision of the National Education Policy 2020.

Which of the following given above is/are correct

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

Que-2 With reference to Marijuana, consider the following statements

1- Recently Malaysia becomes the first asian country to legalize marijuana, but only for medical use.

2- It is a psychoactive drug from the Cannabis plant.

3- Native to Central and South Asia, the cannabis plant has been used as a drug for both recreational and entheogenic purposes

and in various traditional medicines for centuries.

Which of the following given above is/are correct

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

Que-3 What is LaMDA, recently in News?

1- Google's generative language model for dialogue applications which can ensure that the Assistant would be able to converse on any topic.

2- Its full form is Language Model for Digital Applications.

Which of the following given above is/are correct

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

Que-4 What do the terms Web 1.0, Web 2.0 and Web 3.0 mean?

1- Web 1.0 was the first generation of the global digital communications network which is often referred to as the "read-only" Internet made of static web-pages that only allowed for passive engagement.

2- Web 3.0 is an evolving term that is used to refer to the next generation of Internet – a "read-write-execute" web – with decentralization as its bedrock.

3- Web 3.0 will be driven by Artificial Intelligence and machine learning where machines will be able to interpret information like humans.

Which of the following given above is/are correct

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

Que-5 With reference to Web 5.0, consider the following statements

1- Web 5.0 is aimed at building an extra decentralized web that puts us in control of our data and identity.

2- Web 5.0 is Web 3.0 plus Web 4.0 that will allow users to 'own their identity' on the Internet and 'control their data'.

3- Both Web 3.0 and Web 5.0 envision an Internet without threat of censorship – from governments or big tech, and without fear of significant outages.

Which of the following given above is/are correct

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

Que-6 What is type 1 diabetes?

1- Type 1 diabetes is a condition where the pancreas completely stops producing insulin.

2- This is unlike type 2 diabetes — which accounts for over 90% of all diabetes cases in the country — where the body's insulin production either goes down or the cells become resistant to the insulin.

3- Type 1 diabetes is predominantly diagnosed in adults.

Which of the following given above is/are correct

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

Que-7 What powers do Governors enjoy as Chancellors?

1- The appointment of Vice-Chancellors in state government-run universities is among the responsibilities of Governors as Chancellors.

2- Chancellors in most states have the power to annul decisions of the decision-making bodies of universities such as the Executive Council, and to make appointments to these bodies.

3- They also enjoy the power to preside over the convocation of universities.

Which of the following given above is/are correct

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

Que-8 What is single-use plastic?

1- It refers to plastic items that are used once and discarded.

2- On the current trajectory of production, it has been projected that single-use plastic could account for 5-10% of greenhouse gas emissions by 2050.

3- India features in the top 100 countries of single-use plastic waste generation – at rank 14.

Which of the following given above is/are correct

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

ANSWER

1- (b)

- As per Census 2011, there are about 20.4 lakh children in the age group of 0-9 years who have some form of disabilities — either congenital or acquired.
- The new policy, put out for public comment till July 9, emphasises that a comprehensive national programme on prevention of disability should be developed not only to take care of the entire gamut of disabilities covered under the Rights of Persons With Disabilities Act 2016, but also other medical conditions which are considered as risk cases that may manifest into any form of disability.
- The new policy, as per the Department of Empowerment of Persons with Disabilities of the ministry of social justice and empowerment, has been drawn in keeping with the provisions of the RPwD Act and the vision of the National Education Policy 2020.
- The draft policy lays out the broad roadmap for developing CDEICs to provide facilities like screening and identification and referral for rehabilitative services. The EICs would also be given access to the Unique Disability Identification portal for

helping parents for assessment and certification of disability.

2- (d)

- Recently Thailand becomes the first asian country to legalize marijuana, but only for medical use.
- Cannabis has various mental and physical effects, which include euphoria, altered states of mind and sense of time, difficulty concentrating, impaired short-term memory, impaired body movement (balance and fine psychomotor control), relaxation, and an increase in appetite.

3- (a)

- Google first announced LaMDA at its flagship developer conference I/O in 2021 as its generative language model for dialogue applications which can ensure that the Assistant would be able to converse on any topic.
- A senior engineer at Google claimed that the company's artificial intelligence-based chatbot Language Model for Dialogue Applications (LaMDA) had become "sentient".
- Its full form is Language Model for Dialogue Applications.

4- (c)

- Web 1.0 was the first generation of the global digital communications network. It is often referred to as the "read-only" Internet made of static web-pages that only allowed for passive engagement.

- The next stage in the evolution of the web was the "read and write" Internet. Users were now able to communicate with servers and other users leading to the creation of the social web. This is the world wide web that we use today.

- Web 3.0 is an evolving term that is used to refer to the next generation of Internet – a "read-write-execute" web – with decentralization as its bedrock.

- It speaks about a digital world, built leveraging the blockchain technology, where people are able to interact with each other without the need of an intermediary. Web 3.0 will be driven by Artificial Intelligence and machine learning where machines will be able to interpret information like humans.

5- (b)

- Being developed by Dorsey's Bitcoin business unit, The Block Head (TBH), Web 5.0 is aimed at "building an extra decentralized web that puts you in control of your data and identity".

- Simply put, Web 5.0 is Web 2.0 plus Web 3.0 that will allow users to 'own their identity' on the Internet and 'control their data'.
- Web 5.0 is Web 2.0 plus Web 3.0 that will allow users to 'own their identity' on the Internet and 'control their data'.

6- (a)

- Type 1 diabetes is a condition where the pancreas completely stops producing insulin, the hormone responsible for controlling the level of glucose in blood by increasing or decreasing absorption to the liver, fat, and other cells of the body.
- Type 1 diabetes is predominantly diagnosed in children and adolescents. Although the prevalence is less, it is much more severe than type 2. Unlike type 2 diabetes where the body produces some insulin and which can be managed using various pills, if a person with type 1 diabetes stops taking their insulin, they die within weeks. The body produces zero insulin.
- Children with the condition usually present to the hospital with severe symptoms of frequent urination, and extreme thirst, and nearly a third of them have diabetic ketoacidosis (a serious condition where the body has

a high concentration of ketones, a molecule produced when the body isn't able to absorb glucose for energy and starts breaking down fats instead).

7- (c)

- In some states, however, Governors have little or no say in appointing VCs despite holding the post of Chancellor. In Telangana and Gujarat, Governors have no option but to appoint VCs from among the names approved by the state governments.
- The Gujarat University Act, 1949 states that "the Vice-Chancellor shall be appointed by the State Government from amongst three persons recommended by a (search-cum-selection) committee".
- The Telangana Universities Act, 1991 states that the search committee shall "submit a panel of three persons to the Government in alphabetical order and the Government shall appoint the Vice-Chancellor from out of the said panel".

8- (a)

- India features in the top 100 countries of single-use plastic waste generation – at rank 94.
- Single-use plastic has among the highest shares of plastic

manufactured and used — from packaging of items, to bottles (shampoo, detergents, cosmetics), polythene bags, face masks, coffee cups, cling film, trash bags, food packaging etc.

- A 2021 report by one of the Australian philanthropic organisations the Minderoo Foundation said single-use plastics account for a third of all plastic produced globally, with 98% manufactured from fossil fuels.
 - The report found that India features in the top 100 countries of single-use plastic waste generation – at rank 94 (the top three being Singapore, Australia and Oman).
 - The items on which the Central Pollution Control Board (CPCB) have announced a ban are earbuds; balloon sticks; candy and ice-cream sticks; cutlery items including plates, cups, glasses, forks, spoons, knives, trays; sweet boxes; invitation cards; cigarette packs; PVC banners measuring under 100 microns; and polystyrene for decoration.
 - According to the Plastic Waste Management Rules, 2016, there is also a complete ban on sachets using plastic material for storing, packing or selling gutkha, tobacco and pan masala.
-

Que-1 With reference to Reuters Institute Digital News Report 2022, released recently, consider the following statements

1- Trust in news is falling in nearly half the countries surveyed, with significant proportions of the public, especially younger age groups, beginning to turn away from news.

2- The proportion of news consumers who say that they “avoid news” has risen sharply across countries.

3- The television has become the dominant way in which most people first access news in the morning.

Which of the following given above is/are correct

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

Que-2 Consider the following statements

1- Recently, Russia has overtaken Saudi Arabia to become India's second-biggest supplier of oil.

2- India, the world's second-biggest oil-importing and consuming nation.

3- India import over 85 percent of oil.

Which of the following given above is/are correct

- a) 1 only b) 1 and 3 only

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

Que-3 What is surrogate advertising?

1- Surrogate advertising is the strategy of advertising a product that cannot be advertised openly.

2- Advertisers create ads that help in building a brand, and often involve popular celebrities – all without naming the actual product that is being indirectly advertised.

Which of the following given above is/are correct

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

Que-4 With reference to National Initiative for Promotion of Upskilling of Nirman workers (NIPUN), consider the following statements

1- The project NIPUN is an initiative of the Ministry of Rural Development.

2- Under flagship scheme of the Deendayal Antyodaya Yojana-National Urban Livelihoods Mission (DAY-NULM).

3- To train over 1 lakh construction workers, through fresh skilling and upskilling programmes and provides them with work opportunities in foreign countries also.

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only

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

Que-5 What is critical information infrastructure (CII)?

1- The Information Technology Act of 2000 defines "Critical Information Infrastructure" as a "computer resource, the incapacitation or destruction of which shall have debilitating impact on national security, economy, public health or safety".

2- The government, under the Act, has the power to declare any data, database, IT network or communications infrastructure as CII to protect that digital asset.

3- Any person who secures access or attempts to secure access to a protected system in violation of the law can be punished with a jail term of up to 4 years.

Which of the following given above is/are correct

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

Que-6 Consider the following statements about Typhoid fever

1- This is a disease caused by Salmonella serotype Typhi bacteria.

2- Typhoid is spread by eating or drinking food or water contaminated with the feces of an infected person.

3- North Africa accounts for 70% of the global disease burden.

Which of the following given above is/are correct

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

Que-7 Consider the following statements about greenhouse gases emission annually during food transportation from production to consumption sites

1- The world emits roughly 3 gigatonnes of greenhouse gases annually during food transportation from production to consumption sites.

2- The top emitters are China, the United States, India and Russia.

3- Low-income countries cause only 20 per cent of emissions despite supporting about half of the global population.

Which of the following given above is/are correct

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

Que-8 With reference to parasite Demodex folliculorum, consider the following statements

- 1- A tiny parasitic mite found on eyelashes, eyebrows or near the nose.
- 2- As much as 50-100 per cent adults are estimated to be carrying these mites.
- 3- These parasites have adapted to living a sheltered life inside skin pores.

Which of the following given above is/are correct

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

ANSWER

1- (a)

- It covers 46 markets in six continents. Since it is based on online questionnaires, the findings are not necessarily nationally representative, especially for countries with lower internet penetration. For India, the data is more representative of younger English speakers and not the national population as such.
- It flags six major trends which could have wider socio-political implications.
- Firstly, people are trusting news content less and less.

- Second, consumption of traditional news media declined in nearly all the countries surveyed.
 - Third, the proportion of news consumers who say that they “avoid news” has risen sharply across countries, with the report describing the phenomenon as “selective avoidance”.
 - Fourth, despite small increases in the proportion of people willing to pay for online news (mostly in richer countries), the growth in digital subscriptions for news content seems to be leveling off.
 - Next, “the smartphone has become the dominant way in which most people first access news in the morning”.
 - Finally, the report notes that while Facebook remained the most-used social network for news, it is TikTok that has become the fastest-growing network, “reaching 40% of 18-24-year-olds, with 15% using the platform for news”. TikTok, however, is currently banned in India.
- 2- (b)
- Russia has overtaken Saudi Arabia to become India's second-biggest supplier of oil behind Iraq as refiners snap up Russian crude available at a

deep discount following the war in Ukraine.

- After the US and China, India is the world's third-largest consumer of oil, over 85 per cent of which is imported.

3- (c)

- In India, tobacco products and alcohol cannot be advertised openly under laws like the Cigarette and Other Tobacco Products Act, 2003, which bans all kinds of direct and indirect advertisements of tobacco products.
- To circumvent them, surrogate advertising is done.

4- (d)

- The project NIPUN is an initiative of the Ministry of Housing & Urban Affairs (MoHUA).

5- (a)

- Any person who secures access or attempts to secure access to a protected system in violation of the law can be punished with a jail term of up to 10 years.
- Created in January 2014, the National Critical Information Infrastructure Protection Centre (NCIIPC) is the nodal agency for taking all measures to protect the nation's critical information infrastructure.

- It is mandated to guard CIIs from “unauthorized access, modification, use, disclosure, disruption, incapacitation or distraction”.

- According to its website, NCIIPC will monitor and forecast national-level threats to CII for policy guidance, expertise sharing and situational awareness for early warning or alerts. The basic responsibility for protecting the CII system shall lie with the agency running that CII.

6- (a)

- Typhoid is caused by the bacterium *Salmonella enterica* subsp. *enterica* serovar *Typhi* growing in the intestines, peyers patches, mesenteric lymph nodes, spleen, liver, gallbladder, bone marrow and blood.
- Typhoid fever causes 11 million infections and more than 100,000 deaths per year. South Asia accounts for 70% of the global disease burden.

7- (c)

- The world emits roughly 3 gigatonnes of greenhouse gases annually during food transportation from production to consumption sites. This represents 19 per cent of the total food-related emissions, covering food production, land-use change and transportation.

- The top emitters are China, the United States, India and Russia. Together, they are responsible for 64 per cent of global emissions from domestic food transport.
- According to the analysis, the US, China, Japan, Germany, the United Kingdom, India, Russia and Brazil collectively account for 42 per cent of food transport emissions.
- High-income countries are the major contributors. Countries such as the United States, Germany, France and Japan constitute 12.5 per cent of the world's population yet generate 46 per cent of food transport emissions.
- Contributions from India, Brazil, Australia and Argentina are tied to exports.

- Demodex is becoming less and less contagious.
 - Demodex has a beneficial function in humans: Keeping the pores clear.
-

8- (c)

- They survive with the minimum supply of proteins — the lowest among related species.
- These mites infect new hosts vertically, moving from parent to offspring. This transmission route prevents them from mixing with fellow mites residing on unrelated human hosts. Without them, they lose a chance at acquiring a newer variety of genes.

Que-1 What is the Inter-State Council?

1- It is a mechanism that was constituted “to support Centre-State and Inter-State coordination and cooperation in India”.

2- The Inter-State Council was established under Article 363 of the Constitution, which states that the President may constitute such a body if a need is felt for it.

3- In 1988, the Sarkaria Commission suggested the Council should exist as a permanent body, and in 1990 it came into existence through a Presidential Order.

Which of the following given above is/are correct

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

Que-2 With reference to Indian Penal Code (IPC), Section 295A, consider the following statements

1- Section 295A defines and prescribes a punishment for deliberate and malicious acts, intended to outrage religious feelings of any class by insulting its religion or religious beliefs.

2- Section 295A has been invoked on a wide range of issues from penalising political satire and seeking bans on or withdrawal of books to even political critique on social media.

3- Section 295A is one of the key provisions in the IPC chapter to penalise religious offences.

Which of the following given above is/are correct

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

Que-3 As per a recent report named ‘Migration in India 2020-21’, released by the Ministry of Statistics and Programme Implementation (MoSPI), who are ‘Temporary visitors’ and ‘migrants’

1- ‘Temporary visitors’ have been defined as the ones who arrived in households after March 2020 and stayed continuously for a period of 30 days or more but less than 1 year.

2- ‘Migrants’ have been defined as those, for whom the last usual place of residence, any time in the past, is different from the present place of enumeration.

Which of the following given above is/are correct

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

Que-4 With reference to recent Reserve Bank's 'Payments Vision 2025' document, consider the following statements

1- The core theme of the vision documents is 'E-Payments for Everyone, Everywhere, Everlasting' (4Es).

2- An objective to provide every user with safe, secure, fast, convenient, accessible, and affordable e-payment options.

3- It seeks a three-fold jump in the number of digital payments, is progressive and aims to establish India as a powerhouse of payments globally.

Which of the following given above is/are correct

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

Que-5 Countries across the globe were urged to come forward and make commitments to attain net zero carbon emissions by 2050 during the 26th Conference of Parties (CoP26) to the United Nations Framework Convention on Climate Change at Glasgow, Scotland in 2021. India also attended the conference and committed to two major goals. They are

1- It would supply 80 per cent of its energy needs through renewable sources by 2030.

2- Achieving net zero carbon emissions by 2050.

Which of the following given above is/are correct

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

Que-6 Consider the following statements about PM eVIDYA

1- It unifies all efforts related to digital/online/on-air education to enable multi-mode access for imparting education by using technology to minimise learning losses.

2- The PM eVIDYA has been initiated as part of Atma Nirbhar Bharat Abhiyaan by the NITI Aayog.

3- Central Institute of Educational Technology (CIET) has been awarded with the UNESCO's King Hamad Bin Isa Al-Khalifa Prize for the Use of ICT (Information and Communications Technology) in Education for the year 2021.

Which of the following given above is/are correct

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

Que-7 The current account essentially refers to two specific sub-parts:

1- Import and Export of goods — this is the “trade account”.

2- Import and export of services — this is called the “invisibles account”.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about Azooxanthellate corals

1- They are a group of corals that do not contain zooxanthellae.

2- They derive nourishment from the sun.

3- These groups of corals are deep-sea representatives, with the majority of species reporting from between 200 m to 1000 m.

Which of the following given above is/are correct

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

ANSWER

1- (b)

- The Inter-State Council was established under Article 263 of the Constitution, which states that the President may constitute such a body if a need is felt for it.
- The Council is basically meant to serve as a forum for discussions among various governments.
- The main functions of the Council are inquiring into and advising on disputes between states, investigating and discussing subjects in which two states or states and the Union have a common interest, and making recommendations for the better coordination of policy and action.
- The Prime Minister is the chairman of the Council, whose members include the Chief Ministers of all states and UTs with legislative assemblies, and Administrators of other UTs. Six Ministers of Cabinet rank in the Centre’s Council of Ministers, nominated by the Prime Minister, are also its members.

2- (c)

- Section 295A is one of the key provisions in the IPC chapter to penalise religious offences. The chapter includes offences to penalise

damage or defilement of a place of worship with intent to insult the religion (Section 295); trespassing in a place of sepulture (Section 297); uttering, words, etc, with deliberate intent to wound the religious feelings of any person (Section 298); and disturbing a religious assembly (Section 296).

- The state often invokes Section 295A along with Section 153A of the Indian Penal Code, which penalises promoting enmity between different groups on grounds of religion, race, place of birth, residence, language, etc, and doing acts prejudicial to maintenance of harmony and Section 505 of the IPC that punishes statements conducing to public mischief.

3- (b)

- 'Temporary visitors' have been defined as the ones who arrived in households after March 2020 and stayed continuously for a period of 15 days or more but less than 6 months.
- The all-India migration rate was 28.9 per cent for July 2020-June 2021, with 26.5 per cent migration rate in rural areas and 34.9 per cent in urban areas.
- Females recorded a higher share of migration rate of 47.9 per cent, with

48 per cent in rural areas and 47.8 per cent in urban areas. The migration rate for males was seen at 10.7 per cent, with 5.9 per cent in rural areas and 22.5 per cent in urban areas.

- Among females, the highest level of migration rate was seen at 86.8 per cent for marriage, while 49.6 per cent of the males migrated in search of employment, to take up better employment/business/proximity to place of work, or loss of job/closure of unit/lack of employment opportunities.
- During July-June 2020-21, 9.2 per cent persons migrated due to migration of parent/earning member of the family, with 17.5 per cent males and 7.3 per cent females migrating for this reason.

4- (d)

- The core theme of the vision documents is 'E-Payments for Everyone, Everywhere, Everytime' (4Es).
- As per the RBI, total digital payments have increased by 216% and 10% in terms of volume and value, respectively, for the month of March 2022 when compared to March 2019.
- On the other hand, usage of paper instruments has come down significantly during the same period,

with its share in total retail payments registering a decline from 3.83% to 0.88% in terms of volume and from 19.62% to 11.47% in terms of value.

- The PM eVIDYA has been initiated as part of Atma Nirbhar Bharat Abhiyaan by the Ministry of Education on 17th May, 2020.

5- (d)

- It would supply 50 per cent of its energy needs through renewable sources by 2030.
- Achieving net zero carbon emissions by 2070.

7- (c)

- If a country imports more goods (everything from cars to phones to machinery to food grains etc) than it exports, it is said to have a trade account deficit. A deficit implies that more money is going out of the country than coming in via the trade of physical goods. Similarly, the same country could be earning a surplus on the invisibles account — that is, it could be exporting more services than importing.

6- (b)

- The PM eVIDYA has been initiated as part of Atma Nirbhar Bharat Abhiyaan by the Ministry of Education.
- Use of ICT under a comprehensive initiative called PM eVIDYA by the Department of School education, Ministry of Education, particularly during the COVID-19 pandemic wins UNESCO's recognition.
- Central Institute of Educational Technology (CIET), a constituent unit of National Council of Educational Research and Training (NCERT) under Department of School Education and Literacy (DOSEL), Ministry of Education (MoE), Government of India has been awarded with the UNESCO's King Hamad Bin Isa Al-Khalifa Prize for the Use of ICT in Education for the year 2021.

- If, however, the net effect of a trade account and the invisibles account is a deficit, then it is called a current account deficit or CAD. A widening CAD tends to weaken the domestic currency because a CAD implies more dollars (or foreign currencies) are being demanded than rupees.

8- (b)

- They derive nourishment not from the sun but from capturing different forms of plankton.
- Zooxanthellate corals, meanwhile, are restricted to shallow waters.

- There are about 570 species of hard corals found in India and almost 90% of them are found in the waters surrounding Andaman and Nicobar Islands. The pristine and oldest ecosystem of corals share less than 1% of the earth's surface but they provide a home to nearly 25% of marine life.
-

GES
REPORTER

Que-1 What was the Black Death?

- 1- The term Black Death refers to the bubonic plague that spread across Western Asia, Northern Africa, Middle East and Europe in 1346-53.
- 2- It was caused by virus Yersinia pestis and was spread by fleas that were carried by rodent hosts.
- 3- After the initial infection, most victims died within 2-7 days.

Which of the following given above is/are correct

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

Que-2 With reference to 'Fujian', recently in News, consider the following statements

- 1- China's third aircraft carrier.
- 2- Its the country's most advanced as well as the first "fully domestically built" naval vessel.
- 3- Fujian is the name of China's God.

Which of the following given above is/are correct

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

Que-3 Consider the following statements about Balika Panchayat

- 1- It aims to promote the social and political development of the girls and ensure their active participation of girls in politics.
- 2- The country's first-ever girl Panchayat, "Balika Panchayat", was recently started in several villages of Rajasthan's Bikaner district.
- 3- "Balika Panchayat" is managed by people in the 11-21 age group.

Which of the following given above is/are correct

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

Que-4 Consider the following statements about Bedti-Varada interlinking project

- 1- Bedti, a tributary of the Cauvery, which in turn flows into the Bay of Bengal.
- 2- Project to link the Bedti and Varada rivers in Karnataka.
- 3- Varada, a tributary of the Tungabhadra river, which flows into the Krishna, which in turn flows into the Bay of Bengal.

Which of the following given above is/are correct

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

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

Que-5 With reference to Wetlands, consider the following statements

- 1- Wetlands are disappearing three times faster than forests.
- 2- The wetlands account for just six per cent of the plant but are home to 40 per cent of world's plant and animals.

Which of the following given above is/are correct

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

Que-6 Consider the following statements about Urban Cooperative Banks (UCBs)

- 1- These banks, till 1996, were not allowed to lend money for non-agricultural purposes.
- 2- They essentially lent to small borrowers and businesses.
- 3- The market share of UCBs is very small (about 3 per cent) because over 90 per cent of their loan ticket size is less than ₹5 lakh, and historically they are well spread out only in a few States.

Which of the following given above is/are correct

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

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

Que-7 Consider the following statements about Participatory notes

- 1- Participatory notes are popular investments due to the investor remaining anonymous.
- 2- Participatory notes, referred to as P-Notes or PNs, are derivative instruments of underlying Indian assets.
- 3- Participatory notes only allow registered investors to invest in the Indian market.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about Monkeypox

- 1- Monkeypox is a rare disease caused by infection with the monkeypox virus.
- 2- Monkeypox virus belongs to the Orthopoxvirus genus in the family Poxviridae.
- 3- Monkeypox is not related to chickenpox.

Which of the following given above is/are correct

- a) 2 only b) 1 and 3 only

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

ANSWER

1- (b)

- Most scholars agree that the Black Death, which killed millions, was caused by bacterium *Yersinia pestis* and was spread by fleas that were carried by rodent hosts.
- The microorganism *Y. pestis* spread to human populations, who at some point transmitted it to others either through the vector of a human flea or directly through the respiratory system.
- The onset of symptoms was followed by intense fever and vomiting of blood. After the initial infection, most victims died within 2-7 days.

2- (a)

- Fujian is the name of China's eastern coastal province of Fujian.
- China's first aircraft carrier, the 'Liaoning', was a refit of the Soviet-era ship commissioned in 2012 followed by the indigenously built 2nd aircraft carrier 'Shandong' in 2019. Liaoning and Shandong are names of two provinces of China.
- Fujian, in the southeast, is the closest province to Taiwan, a self-ruling

province that China says must be reunified with the mainland, even by force.

3- (b)

- The country's first-ever girl Panchayat, "Balika Panchayat", was recently started in several villages of Gujarat's Kutch district.
- This is a unique initiative of the Women and Child Development Welfare department of the Gujarat Government under the 'Beti Bachao Beti Padhao' campaign.
- The Ministry of Women and Child Development is also planning to begin the girl panchayat across the country.
- "Balika Panchayat" is managed by people in the 11-21 age group and its main objective is to promote the social and political development of the girl child and to remove the evil practices from the society such as child marriage, and the dowry system

4- (d)

The project

- The Bedti-Varada project was envisaged in 1992 as one to supply drinking water.
- The plan aims to link the Bedti, a river flowing west into the Arabian Sea, with the Varada, a tributary of the

Tungabhadra river, which flows into the Krishna, which in turn flows into the Bay of Bengal.

- A massive dam will be erected at Hirevadatti in Gadag district under the project. A second dam will be built on the Pattanahalla river at Menasagoda in Sirsi, Uttara Kannada district.

5- (c)

- Experts from the Wetlands International, a global non-profit, in a new white paper suggested five global, science-based conservation efforts to protect and restore wetlands.
- The suggestions come in the run up to the 15th Conference of Parties (CoP15) to the Convention on Biological Diversity to be held in Montreal, Canada and the 27th Conference of Parties (CoP27) to the United Nations Framework Convention on Climate Change in Egypt later this year.

The five suggested targets to be achieved by 2030 include:

- Remaining, undrained peatland carbon stores should be kept intact and 10 million hectares of drained peatlands need should be restored
- Global mangrove cover of 20 per cent

- Preservation of free-flowing rivers and flood plains, along with enhancement of restoring floodplain ecosystem and its function in the area
- 10 per cent increase of west African river Volta in tidal flats area
- Identification of 50 per cent of the 7,000 critically important sites along the flyways to be brought under favourable management
- The actions are especially urgent since CoP15 was delayed four times and the planet is facing an ecological emergency with global destruction of biodiversity, the non-profit mentioned.

6- (d)

- The term Urban Co-operative Banks (UCBs), though not formally defined, refers to primary cooperative banks located in urban and semi-urban areas.
- These banks, till 1996, were allowed to lend money only for non-agricultural purposes.

7- (a)

- Participatory notes allow non-registered investors to invest in the Indian market.

- A participatory note, commonly known as a P-note or PN, is an instrument issued by a registered foreign institutional investor (FII) to an overseas investor who wishes to invest in Indian stock markets without registering themselves with the market regulator, the Securities and Exchange Board of India (SEBI).

people in several other central and western African countries.

8- (c)

- Monkeypox is a rare disease caused by infection with the monkeypox virus. Monkeypox virus belongs to the Orthopoxvirus genus in the family Poxviridae. The Orthopoxvirus genus also includes variola virus (which causes smallpox), vaccinia virus (used in the smallpox vaccine), and cowpox virus. Monkeypox is not related to chickenpox.
- Monkeypox was first discovered in 1958 when two outbreaks of a pox-like disease occurred in colonies of monkeys kept for research. Despite being named “monkeypox”, the source of the disease remains unknown. However, African rodents and non-human primates (like monkeys) may harbor the virus and infect people.
- The first human case of monkeypox was recorded in 1970. Since then, monkeypox has been reported in

Que-1 With reference to a country gains European Union's, EU membership, consider the following statements

1- It is covered under an EU treaty clause that says if a member falls victim to armed aggression, the other EU countries are obligated to assist it by all the means in their power.

2- The main benefits of EU membership, though, are economic, since it gives access to a market of 450 million consumers with free movement of labor, goods, services and capital.

Which of the following given above is/are correct

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

Que-2 With reference to Narcotic Drugs and Psychotropic Substances Act, 1985 and Prevention of Illicit Traffic in Narcotic Drugs and Psychotropic Substances Act, 1988, consider the following statements

1- Currently, while the home ministry governs the Narcotics Control Bureau, the Department of Revenue (DoR) in the Defence ministry administers the Narcotic Drugs and Psychotropic Substance (NDPS) Act of 1985 and the Prevention of Illicit Traffic in Narcotic Drugs and Psychotropic Substances Act of 1988.

2- The Narcotics Control Bureau (NCB) is a central law enforcement and intelligence agency that has been tasked with combating drug trafficking and the use of illegal substances under the provisions of the NDPS Act.

3- The Narcotic Drugs and Psychotropic Substances Act, 1985, commonly referred to as the NDPS Act, prohibits a person from the production/manufacturing/cultivation, possession, sale, purchase transport, storage, and/or consumption of any narcotic drug or psychotropic substance.

Which of the following given above is/are correct

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

Que-3 With reference to UN Public Service Award, consider the following statements

1- It is intended to reward the creative achievements and contributions of public service institutions that lead to a more effective and responsive public administration in countries worldwide.

2- The first Awards ceremony was held in 2020.

3- The UN describes its Public Service Awards as the "most prestigious international recognition of excellence in public service".

Which of the following given above is/are correct

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

Que-4 What are Eco-Sensitive Zones?

1- Land within 10 km of the boundaries of national parks and wildlife sanctuaries is to be notified as eco-fragile zones or Eco-Sensitive Zones (ESZ).

2- Areas beyond 10-km can also be notified by the Union government as ESZs, if they hold larger ecologically important “sensitive corridors.”

3- ESZs are created as “shock absorbers” for the protected areas, to minimize the negative impact on the “fragile ecosystems” by certain human activities taking place nearby.

Which of the following given above is/are correct

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

Que-5 What is Alzheimer’s disease?

1- Alzheimer’s is a degenerative brain disorder that slowly robs people of their memory and thinking abilities.

2- Progressive and irreversible, it usually begins with mild memory loss, and as

symptoms grow severe, patients lose the ability to perform even simple tasks.

3- Pathology of the disease is deposition of bacteria in the brain.

Which of the following given above is/are correct

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

Que-6 The apex body for child rights, the National Commission for Protection of Child Rights, has issued draft guidelines for the employment of children in the entertainment industry. Key features are

1- Producers to obtain permission from the Judicial Magistrate.

2- Ensure a safe environment as well as provide private tutors for child artistes required to skip school for shoots.

3- Producers will also have to ensure that children are not cast in a role where they are exposed to ridicule, insults or harsh comments that could affect their emotional health, and neither should they be shown to consume alcohol, smoke or display nudity.

Which of the following given above is/are correct

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

Que-7 Minister of Road Transport & Highways had recently announced the introduction of safety ratings via crash tests for passenger vehicles in India under Bharat NCAP (New Car Assessment Program). About this consider the following statement

- 1- It aims to enable consumers to make more informed choices while purchasing vehicles based on the level of occupant protection offered.
- 2- These safety ratings will apply to all vehicle category in country.
- 3- As part of Bharat NCAP crash testing, vehicles will be evaluated on three main parameters.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about Open network for digital commerce (ONDC)

- 1- It is a not-for-profit organisation that will offer a network to enable local digital commerce stores across industries to be discovered and engaged by any network-enabled applications.
- 2- It is a hosting platform, and all existing digital commerce applications and platforms

can voluntarily choose to adopt and be a part of the ONDC network.

- 3- The ONDC aims to enable buying of products from all participating e-commerce platforms by consumers through a single platform.

Which of the following given above is/are correct

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

ANSWER

- 1- (c)
 - The membership process can be long and tortuous.
 - Turkey, for example, applied for membership in 1987, received candidate status in 1999, and had to wait until 2005 to start talks for actual entry. Only one of more than 30 negotiating “chapters” has been completed in the years since, and the whole process is at a standstill as a result of various disputes between the EU and Turkey.
 - Similarly, several Balkan countries have been seeking without success for many years to join the EU.

2- (d)

- Currently, while the home ministry governs the Narcotics Control Bureau, the Department of Revenue (DoR) in the finance ministry administers the Narcotic Drugs and Psychotropic Substance (NDPS) Act of 1985 and the Prevention of Illicit Traffic in Narcotic Drugs and Psychotropic Substances Act of 1988.
- The government is considering transferring the administration of the Narcotic Drugs and Psychotropic Substances Act, 1985 and Prevention of Illicit Traffic in Narcotic Drugs and Psychotropic Substances Act, 1988 from the finance ministry to Ministry of Home Affairs to bring all issues related to narcotics under one department.
- Prevention of Illicit Traffic in Narcotic Drugs and Psychotropic Substances (PITNDPS) Act, 1988 provides for detention in certain cases for the purpose of preventing illicit traffic in narcotic drugs and psychotropic substances.

3- (b)

- The first Awards ceremony was held in 2003.
- Mo Bus, the bus service of Odisha's Capital Region Urban Transport

(CRUT) authority, has been recognised by the United Nations as one of 10 global recipients of its annual Public Service Awards for 2022.

- In 2020, the MoHUA conferred the 13th Urban Mobility India Award on CRUT for "Innovations undertaken in Urban Transport during Covid-19", and in 2021, the 14th Urban Mobility India Award on Odisha as the "State which had Implemented the Best Urban Transport Projects during the previous year".

4- (c)

- These areas are meant to act as a transition zone from areas requiring higher protection to those requiring lesser protection.
- The guidelines also state that the ESZs are not meant to hamper the daily activities of people living in the vicinity, but are meant to guard the protected areas and "refine the environment around them".
- To do so, the guidelines list the activities prohibited in an ESZ, such as commercial mining, saw mills, commercial use of wood, etc., apart from regulated activities like felling of trees. Lastly, there are permitted activities like ongoing agricultural or horticultural practices, rainwater

harvesting, organic farming, among others.

5- (a)

- Pathology of the disease is deposition of an abnormal protein called beta-amyloid in the brain.
- Worldwide, it is the most common form of dementia or loss of cognitive functioning — thinking, remembering, and reasoning — contributing 60%-70% cases, according to the World Health Organisation (WHO).
- The disease was discovered after Dr Alois Alzheimer examined a memory-loss patient's brain after her death in 1906 and found abnormal clumps (beta-amyloid plaque) and bundles of fibres (neurofibrillary tangles). The plaque and tangles, along with loss of connections between the neurons to transmit messages inside the brain, are key markers of the disease.

6- (d)

- Producers to obtain permission from the District Magistrate.
- The latest draft regulatory guidelines replace the earlier ones of 2011 to include provisions of new laws and amendments such as the Juvenile Justice Act, 2015; Child Labour Amendment Act, 2016; Protection of Children from Sexual Offences Act,

2012; and the Information Technology (Intermediary Guidelines and Digital Media Ethics Code) Rules, 2021. These guidelines also apply to over-the-top platforms.

- Production units will also have to be safe for children and must have staff protocols on how they should engage with children. The producer will have to provide adequate and nutritious food as well recreational material and rest facilities.
- No child should be made to work for more than six hours, during which they should be provided a break every three hours. Neither can they be made to work between 7 p.m. to 8 a.m., the draft guidelines said.

7- (b)

- These safety ratings will apply to the M1 vehicle category which is defined as "motor vehicles used for the carriage of passengers, comprising not more than eight seats, in addition to the driver's seat, with gross vehicle weight less than 3.5 tonnes manufactured or imported in the country".
- Until now, Indian consumers have had to rely on crash safety testing and ratings awarded by Global NCAP, which aren't available for all passenger vehicles sold in India.

As part of Bharat NCAP crash testing, vehicles will be evaluated on three main parameters -

- Adult Occupant Protection (AOP)
- Child Occupant Protection (COP)
- Safety Assist Technologies (SAT)

8- (b)

- It is neither an aggregator application nor a hosting platform, and all existing digital commerce applications and platforms can voluntarily choose to adopt and be a part of the ONDC network.
 - The ONDC model is trying to replicate the success of the Unified Payments Interface (UPI) in the field of digital payments. UPI allows people to send or receive money irrespective of the payment platforms they are registered on. The open network concept also extends beyond the retail sector, to any digital commerce domains including wholesale, mobility, food delivery, logistics, travel, urban services, etc.
 - Presently, ONDC is in its pilot stage in five cities — Delhi NCR, Bengaluru, Bhopal, Shillong and Coimbatore — with a target of onboarding around 150 retailers.
-

Que-1 Consider the following statements about Anti-defection law

1- The Twelfth Schedule of the Constitution, commonly known as the anti-defection law.

2- It was introduced in 1985 with a view to curb the tendency among legislators to switch loyalties from one party to another and facilitate the toppling of regimes and formation of new ones.

3- It provides for the Presiding Officer of the legislature to disqualify any defector on a petition by another member.

Which of the following given above is/are correct

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

Que-2 With reference to Pradhan Mantri Kisan Sampada Yojana (PMKSY), consider the following statements

1- The Central Sector Scheme - SAMPADA (Scheme for Agro-Marine Processing and Development of Agro-Processing Clusters) was approved by the cabinet in May 2017 for the period of 2016-20.

2- Coterminal with the 13th Finance Commission cycle.

3- The objective of PMKSY is to supplement agriculture, modernize processing and decrease Agri-Waste.

Which of the following given above is/are correct

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

Que-3 With reference to 'Surya Nutan', recently in News, consider the following statements

1- This is a stationary, rechargeable and always kitchen-connected indoor solar cooking system.

2- It has been developed by the Indian Oil research and development centre in Faridabad.

3- It works only on a solar energy.

Which of the following given above is/are correct

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

Que-4 What are microplastics?

1- Microplastics are tiny plastic debris that are smaller than 15 mm in length, tinier than even a grain of rice.

2- Primary microplastics are tiny particles that are purposely designed as such for commercial use.

3- Secondary microplastics are formed through the degradation of larger plastic items.

Which of the following given above is/are correct

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

Que-5 With reference to WTO Appellate Body, consider the following statements

1- The Appellate Body was established in 1995 under Article 17 of the Understanding on Rules and Procedures Governing the Settlement of Disputes (DSU).

2- It is a standing body of ten persons that hears appeals from reports issued by panels in disputes brought by WTO Members.

3- The Appellate Body has its seat in Geneva, Switzerland.

Which of the following given above is/are correct

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

Que-6 Consider the following statements about Salt

1- Salt is a State subject.

2- Gujarat produces 80% of the salt in India.

3- India is the world's third largest producer of salt.

Which of the following given above is/are correct

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

Que-7 With reference to Ramsar site and Ramsar Convention on Wetlands, consider the following statements

1- A Ramsar site is a wetland site designated to be of international importance under the Ramsar Convention.

2- Ramsar identifies wetlands of international importance, especially those providing waterfowl habitat.

3- The convention, signed in 1971 by UNESCO in the Iranian city of Ramsar, is one of the oldest inter-governmental accords for preserving the ecological character of wetlands.

Which of the following given above is/are correct

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

Que-8 Consider the following statements about Group of Seven (G7)

1- It is an inter-governmental political forum consisting of Canada, France, Germany, Italy, Japan, the United Kingdom and the United States.

2- The European Union is a 'non-enumerated member'.

3- From 2022, United Kingdom has taken over the rotating presidency of the G7, following the presidency of the Germany.

Which of the following given above is/are correct

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

ANSWER

1- (d)

- The Tenth Schedule of the Constitution, commonly known as the anti-defection law.
- The law contemplates two kinds of defection: (a) by a member voluntarily giving up membership of the party on whose symbol he got elected (b) by a member violating a direction (whip) issued by his party to vote in a particular way or to abstain from voting.
- Under Paragraph 4 of the Tenth Schedule, disqualification on account of defection will not apply in case of a merger of one party with another. However, there is a rider. There is a deemed merger only if two-thirds of the party's total strength agrees to the merger.
- Originally, the 10th Schedule had spoken of a 'split' in a legislature party as an exception to the disqualification rule. That is if one-thirds of a legislature party leaves it or joins another party, it amounts to a 'split' and such members would not attract disqualification. This proved to be an escape clause for legislators to form a group that amounted to one-third of the legislature party's total strength and then cross over. Paragraph 3,

which allowed the use of a split to avoid disqualification for defection, was deleted by the Constitution (91st Amendment) Act, 2003.

2- (b)

- Coterminal with the 14th Finance Commission cycle.

3- (a)

- 'Surya Nutan' is a stationary, rechargeable and always kitchen-connected indoor solar cooking system that works on a hybrid mode, and is capable of running both on solar and an auxiliary energy source simultaneously.

4- (d)

- Microplastics are tiny plastic debris that are smaller than 5 mm in length, tinier than even a grain of rice.
- There are two types of microplastics. Primary microplastics are tiny particles that are purposely designed as such for commercial use, like in cosmetics, nurdles-plastic pellets used in industrial manufacturing and in fibres from synthetic textiles like nylon.
- Secondary microplastics are formed through the degradation of larger plastic items like bottles, fishing nets and plastic bags. This occurs through

exposure to the environment, like radiation from the sun, wind and ocean waves.

5- (b)

- It is a standing body of seven persons that hears appeals from reports issued by panels in disputes brought by WTO Members.

6- (d)

- Salt is a Central subject listed as item No. 58 of the Union List of the 7th Schedule of the Constitution. The industries demand that there should be a nodal agency with common rules and regulations.

7- (c)

- A Ramsar site is a wetland designated to be of international importance under the Convention on Wetlands on February 2, 1971, in the Iranian city of Ramsar on the Caspian Sea shore.
- Recognised as the "bird village" following community-driven conservation efforts, Menar in Udaipur district is set to be notified as Rajasthan's new wetland.
- The two lakes in the village – the Brahma and Dhandh – play host to a large number of migratory birds in the winter season every year.

8- (a)

- From 2022, Germany has taken over the rotating presidency of the G7, following the presidency of the United Kingdom.
-

GES
REPORTER

Que-1 With reference to Partnership for Global Infrastructure and Investment (PGII), recently in News, consider the following statements

1- The infrastructure plan was first announced in last year's G7 Summit in the Germany.

2- A joint G7 initiative to fund infrastructure projects in developing countries.

3- It is being seen as the bloc's counter to China's 'Belt and Road Initiative.

Which of the following given above is/are correct

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

Que-2 With reference to World Micro, Small, and Medium-sized Enterprises (MSME) Day, consider the following statements

1- The World MSME Day, observed annually on June 29 since 2017.

2- This year, the MSME Day is being observed under the theme of "Resilience and Rebuilding: MSMEs for Sustainable Development".

3- MSMEs, which typically employ less than 250 people, account for 70 percent of total employment and 50 percent of GDP in most middle-income countries.

Which of the following given above is/are correct

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

Que-3 With reference to GSAT-24, recently launched, consider the following statements

1- The Ariane-5 rocket launched India's GSAT-24 a Ku-band 4-ton class communications satellite.

2- The rocket lifted off from the Kourou, French Guiana, and placed the satellite into a geostationary transfer orbit.

3- GSAT-24 is a communications satellite built for New Space India Limited (NSIL) by the Indian Space Research Organisation (ISRO).

Which of the following given above is/are correct

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

Que-4 With reference to G20 or Group of Twenty, consider the following statements

1- It is an intergovernmental forum comprising 19 countries and the European Union (EU).

2- It works to address major issues related to the global economy, such as international financial stability, climate change mitigation, and sustainable development.

3- Ahmedabad will be hosting the 2023 meetings of G-20.

Which of the following given above is/are correct

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

Que-5 With reference to recent Centre's first-ever performance grading index for districts (PGI-D), consider the following statements

1- Three districts from Kerala performed the best in the Centre's first-ever performance grading index for districts (PGI-D) assessment of the school education system.

2- The ministry has been releasing the PGI report at state-levels since 2017-18, this is the first time a district-wise report card has been released.

3- The PGI-D structure comprises a total weight age of 600 points across 83 indicators, which are grouped under six categories.

Which of the following given above is/are correct

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

Que-6 With reference to gig workforce in the country and the recent study released by Niti Aayog, consider the following statements

1- It is expected to grow to 2.35 crore by 2029-30.

2- The report broadly classifies gig workers — those engaged in livelihoods outside the traditional employer-employee arrangement — into platform and non-platform-based workers.

3- At present, about 47% of gig work is in medium skilled jobs, about 22% in high skilled, and about 31% in low skilled jobs, and the trend shows the concentration of workers in medium skills is gradually increasing and that of the low skilled and high skilled is decreasing.

Which of the following given above is/are correct

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

Que-7 With reference to Green Hydrogen, consider the following statements

1- Green hydrogen is hydrogen generated by renewable energy or from low-carbon power.

2- Green hydrogen has significantly lower carbon emissions than grey hydrogen, which is produced by steam reforming of natural gas, which makes up the bulk of the hydrogen market.

3- Green hydrogen produced by the electrolysis of water is about 50% of total hydrogen production.

Which of the following given above is/are correct

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

Que-8 The European Commission (EC), unveiled a landmark legislation to restore nature and mitigate climate change on the European continent. Consider the following statements

1- The draft law calls for halving pesticide use across Europe by 2030.

2- The use and risk of chemical pesticides will be reduced to reverse the decline of bees, butterflies, bumblebees, hoverflies and other pollinator populations by 2030.

3- The proposal aims to reduce loss of green urban spaces, so that there is no net loss of green urban spaces by 2030.

Which of the following given above is/are correct

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

ANSWER

1- (d)

- The infrastructure plan was first announced in June 2021 during last year's G7 Summit in the UK. Back then, US President Joe Biden had called it the Build Back Better World (B3W) framework. However, it did not register much progress and details regarding the plan's time period or funding source were unclear.
- Essentially, G7 countries — the US, Canada, Italy, the UK, France, Germany, and Japan — and the EU have noted the infrastructure projects being undertaken and funded by China at a global level and decided to present their alternative mechanism for it.
- The stated purpose of both the PGII and the BRI is to help secure funding for countries to build critical infrastructure such as roads, ports, bridges, communication setups, etc.

to enhance global trade and cooperation.

2- (d)

- The World MSME Day, observed annually on June 27 since 2017.
- The United Nations, in its 74th Plenary on April 6, 2017, recognised the significance of MSMEs in attaining sustainable development goals, encouraging innovation, and providing livelihood to local communities.
- MSMEs, which typically employ less than 250 people, account for 70 percent of total employment and 50 percent of GDP in most middle-income countries, according to the International Council for Small Business. As per definition, micro-enterprises are the ones that employ fewer than 10 people.
- Meanwhile, the small enterprises employ fewer than 50 people and a medium-sized company is one which has fewer than 250 employees.

3- (c)

- The rocket lifted off from the Kourou, French Guiana, and placed the satellite into a geostationary transfer orbit.

- This is the first demand-driven satellite configured by Isro, owned, operated, and funded by NSIL for commercial users.

- The satellite will provide high-quality television, telecommunications, and broadcasting services and will meet the DTH needs of Indian customers.

- The mission also carried MEASAT-3d, a multi-mission telecommunications satellite built by Airbus Defence and Space.

4- (a)

- G20 member nations are Argentina, Australia, Brazil, Canada, China, Germany, France, India, Indonesia, Italy, Japan, Mexico, Russia, Saudi Arabia, South Africa, South Korea, Turkey, the United Kingdom and the United States.

- The G20 was founded in 1999 in response to several world economic crises.

- Jammu and Kashmir will be hosting the 2023 meetings of G-20.

- This will be the first major international summit to be held in Jammu and Kashmir after the erstwhile state's special status guaranteed under Article 370 of the Constitution was withdrawn and it

was divided into two union territories in August 2019.

5- (d)

- The three districts from Rajasthan— Sikar, Jhunjhunu, and Jaipur — figured in ‘Utkarsh’ grade (scoring 81-90% on a scale of 100) in 2019-20 in contrast to a year before when no district featured in that category, stated the report, which covers the district-level school performances for both 2018-19 and 2019-20.
- The PGI-D assessed district-level performance in school education based on the data collected from various sources, including Unified District Information System for Education Plus (UDISE +), National Achievement Survey (NAS), 2017 and data provided by respective districts.
- The PGI-D structure comprises a total weight age of 600 points across 83 indicators, which are grouped under six categories: Outcomes, Effective Classroom Transaction, Infrastructure Facilities & Student’s Entitlements, School Safety & Child Protection, Digital Learning and Governance Process.
- These categories are further divided into 12 domains.

- Two categories — digital learning and effective classroom transaction — have been added in the backdrop of Covid-19 pandemic. These categories were not part of the state-level PGI.

- The assessment grades the districts into 10 grades. The highest achievable grade is ‘Daksh’, which is for districts scoring more than 90% of the total points in that category or overall. It is followed by ‘Utkarsh’ (81% to 90%), ‘Ati Uttam’ (71% to 80%), ‘Uttam’ (61% to 70%), ‘Prachesta-1’ (51% to 60%) and ‘Prachesta-2’ (41% to 50%). The lowest grade in PGI-D is ‘Akanshi-3’ which is for scores upto 10% of the total points.

6- (a)

- At present, about 47% of gig work is in medium skilled jobs, about 22% in high skilled, and about 31% in low skilled jobs, and the trend shows the concentration of workers in medium skills is gradually declining and that of the low skilled and high skilled is increasing.
- The number of workers engaged in the gig economy is estimated to be 77 lakh in 2020-21.
- The report broadly classifies gig workers — those engaged in livelihoods outside the traditional employer-employee arrangement —

into platform and non-platform-based workers. While platform workers are those whose work is based on online software apps or digital platforms, non-platform gig workers are generally casual wage workers and own-account workers in the conventional sectors, working part-time or full time.

- It may be expected that while the domination of medium skills would continue till 2030, gig work with other skills will emerge.
- While in 2020-21, the gig workforce constituted 2.6% of the non-agricultural workforce or 1.5% of the total workforce in India, by 2029-30, gig workers are expected to form 6.7% of the non-agricultural workforce or 4.1% of the total livelihood workforce in India

7- (a)

- Green hydrogen produced by the electrolysis of water is less than 0.1% of total hydrogen production.
- It may be used to decarbonize sectors which are hard to electrify, such as steel and cement production, and thus help to limit climate change.
- The high cost of production is the main factor behind the low use of green hydrogen.

- Green hydrogen can be blended into existing natural gas pipelines, and also used to produce green ammonia, the main constituent of fertilizer production.

8- (c)

- The draft law calls for halving pesticide use across Europe by 2030 and dismantling big dams to make rivers free-flowing, among other things. The proposal is aimed at contributing to the continuous, long-term and sustained recovery of biodiverse and resilient nature across the EU's land and sea areas by restoring ecosystems.

Que-1 What is the Hermit spyware?

1- Hermit is a commercial spyware that is known to be used by governments with victims in Kazakhstan, Italy and northern Syria.

2- Once installed on a device, it can record audio on the device, carry out unauthorised calls, and carry out many unauthorised activities.

3- Once Hermit has been deployed to a phone, it can control and track data from all key applications.

Which of the following given above is/are correct

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

Que-2 With reference to Advanced Light Helicopter (ALH) MK III squadron, consider the following statements

1- The ALH MK III helicopters have been indigenously manufactured by Defence Research and Development Organisation (DRDO).

2- Its features enable them to undertake maritime reconnaissance and carry out search and rescue at extended ranges even while operating from ships, both by day and night.

3- The aircraft has the ability to switch roles from being an offensive platform with

heavy machine gun to that of one carrying a medical intensive care unit to facilitate transfer of critically ill patient.

Which of the following given above is/are correct

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

Que-3 With reference to Pay Roll Automation for Disbursement of Monthly Allowances (PADMA), recently launched, consider the following statements

1- An automated Pay & Allowances module for all Central government employees..

2- This module has been developed under the aegis of Defense Accounts Department and will be operated by Pay Accounts Office Coast Guard, Noida.

Which of the following given above is/are correct

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

Que-4 What is Partners in the Blue Pacific (PBP) initiative?

1- The PBP is a six-nation “informal mechanism” to support Pacific islands and to boost diplomatic, economic ties in the region.

2- It simply means that through the PBP, these countries — together and individually — will direct more resources here to counter China’s aggressive outreach.

3- Launch by US and its allies — Canada, Australia, New Zealand, Japan and the United Kingdom.

Which of the following given above is/are correct

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

Que-5 With reference to Mahatma Gandhi National Rural Employment Guarantee Scheme (MG-NREGS), consider the following statements

1- Under NREGS, every rural household, whose adult members volunteer to do unskilled manual work, is entitled to get at least 100 days of wage employment in a financial year.

2- Individual beneficiary oriented works can be taken up on the cards of Scheduled Castes and Scheduled Tribes, small or marginal farmers or beneficiaries of land

reforms or beneficiaries under the Indira Awaas Yojana of the Government of India.

3- Within a month of submitting the application or from the day work is demanded, wage employment will be provided to the applicant.

Which of the following given above is/are correct

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

Que-6 With reference to ‘Living Lands Charter’, recently in News, consider the following statements

1- All 54 Commonwealth members have agreed to voluntarily dedicate a ‘living land’ in their respective countries to future generations, in line with the strategy set for the United Nations Decade on Ecosystem Restoration.

2- The non-binding ‘Living Lands Charter’ mandates that member countries will safeguard global land resources and arrest land degradation while acting against climate change, biodiversity loss and towards sustainable management.

3- The Living Lands Charter helps to encapsulate the combined effort to hold the global average temperature increase to 1.5 degrees Celsius.

Which of the following given above is/are correct

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

Que-7 Consider the following statements about Lithium

1- Lithium is a non-metallic mineral in very high demand by manufacturing industries.

2- By 2030, batteries are expected to account for 95 per cent of Lithium demand.

3- Lithium and most lithium minerals are mined along with other high-value metallic minerals such as tin, niobium-tantalum (columbite-tantalite) and uranium (in pyrochlore).

Which of the following given above is/are correct

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

Que-8 Consider the following statements about Lithium Batteries

1- Lithium-cobalt oxide battery is used in consumer electronics and is finding application in electric vehicles and is relatively cheap.

2- Lithium-nickel-manganese-cobalt is a newer, higher performing range of battery chemistry and is mainly developed for the electronic vehicle market but is finding a

wider use because of its increasing cost effectiveness.

3- Lithium iron phosphate, the safest technology with relatively high performance but relatively expensive and is very popular in China but is likely to become overtaken by Lithium-nickel-manganese-cobalt over the longer term.

Which of the following given above is/are correct

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

ANSWER

1- (c)

2- (d)

- The ALH MK III helicopters have been indigenously manufactured by Hindustan Aeronautics Limited (HAL).
- They feature state-of-the-art equipment including advanced RADAR as well as Electro optical sensors, Shakti engines, full glass cockpit, high-intensity searchlight, advanced communication systems, automatic identification system as well as SAR homer
- As many as 13 ALH MK III aircrafts have been inducted in the ICG in a phased manner, and four of these are positioned at Porbandar.

- Commissioning of ALH MK III boosts Coast Guards' self-reliance in the field of SAR and maritime surveillance, in line with the government's vision of Atmanirbhar Bharat.

3- (b)

- An automated Pay & Allowances module for the Indian Coast Guard.
- The launch marked the beginning of the Centralized Pay System (CPS), the foundation of which is being laid down by the Defence Accounts Department Headquarters to provide one stop pay accounting solutions for all organisations under the Ministry.
- PADMA is an automated platform leveraging latest technology which will provide seamless and timely disbursement of Pay & Allowances to around 15,000 Indian Coast Guard personnel.

4- (d)

- The PBP is a five-nation "informal mechanism" to support Pacific islands and to boost diplomatic, economic ties in the region.
- Launch by US and its allies — Australia, New Zealand, Japan and the United Kingdom.
- Amid China's aggressive push to increase its Pacific sphere of influence,

the US and its allies — Australia, New Zealand, Japan and the United Kingdom — have launched a new initiative called 'Partners in the Blue Pacific' for "effective and efficient cooperation" with the region's small island nations.

- It speaks of enhancing "prosperity, resilience, and security" in the Pacific through closer cooperation. It simply means that through the PBP, these countries — together and individually — will direct more resources here to counter China's aggressive outreach.
- The initiative members have also declared that they will "elevate Pacific regionalism", and forge stronger ties with the Pacific Islands Forum.

5- (a)

- Within 15 days of submitting the application or from the day work is demanded, wage employment will be provided to the applicant.
- Right to get unemployment allowance in case employment is not provided within fifteen days of submitting the application or from the date when work is sought.
- Receipt of wages within fifteen days of work done.

- Variety of permissible works which can be taken up by the Gram Panchayaths.
 - MGNREGA focuses on the economic and social empowerment of women.
 - MGNREGA provides “Green” and “Decent” work.
 - Social Audit of MGNREGA works is mandatory, which lends to accountability and transparency.
 - MGNREGA works address the climate change vulnerability and protect the farmers from such risks and conserve natural resources.
 - The Gram Sabha is the principal forum for wage seekers to raise their voices and make demands. It is the Gram Sabha and the Gram Panchayat which approves the shelf of works under MGNREGA and fix their priority.
- 6- (c)
- It aimed to support member countries to effectively deliver their commitments under the three Rio conventions — UN Convention on Biological Diversity, UN Convention to Combat Desertification (UNCCD) and UN Framework Convention on Climate Change.
- 7- (d)
- Lithium is a metallic mineral in very high demand by manufacturing industries.
 - Seven years ago the bulk of demand for lithium was split between ceramics and glasses (35 per cent) and greases, metallurgical powders, polymers, and other industrial uses (over 35 per cent).
 - Three countries, Australia (40,000 tonnes), Chile (20,600 tonnes) and China (14,000 tonnes) mine about 86 per cent of the world’s lithium.
- 8- (c)
- Lithium-nickel-cobalt-aluminium oxide developed to reduce cobalt consumption and is known as a solid performer and of reasonable cost. It is also becoming popular outside China.
 - Lithium-ion batteries are used in mobile phones, computers, electronics, energy storage systems and electric vehicles. The forecast is that they will dominate the lithium market over the next decades.
 - Greenbushes mine in Western Australia is the largest hard-rock lithium mine in the world. Tantalum is also mined there.
 - Due to the growing interest in clean energy, the demand for lithium has skyrocketed as most countries draw

plans to phase out fossil fuel vehicles and switch to zero emission electric vehicles.

GES
REPORTER