

10 PM Current Affairs Quiz Compilation

24th to 29th January, 2022

Medieval History

Q.1) Consider the following statements.

1. He is the most respected Acharya in the philosophy of Sri Vaishnavism.
2. He is famous as the chief proponent of Vishishtadvaita.
3. He wrote influential texts, such as bhāṣya on the Brahma Sutras and the Bhagavad Gita, all in Sanskrit.

Which of the following personality is described in the statements above?

- a) Basavanna
- b) Ramananda
- c) Sri Ramanuja
- d) Chaitanya Mahaprabhu

Answer: C

News: PM Narendra Modi is all set to unveil the world's second-largest statue (Statue of Equality) in Hyderabad on February 5. The 216-foot-tall statue of 11th-century social reformer and saint, Ramanujacharya will be in a sitting position.

About Ramanuja:

Ramanuja, from Tamil Nadu in the 11th century, propounded the doctrine of Vishishtadvaita or qualified oneness in that the soul, even when united with the Supreme God, remained distinct. He was also referred to as Ilaya Perumal which means the radiant one.

Source: [216-feet 'Statue of Equality' in Hyderabad to be unveiled by PM on February 5.](#)

Q.2) Recently Sub-Surface dams are seen as an alternative to surface dams. With reference to Sub surface dams, consider the following statements:

1. They lead to more evaporation of reserved water.
2. They Minimise the forced displacement of people
3. They may proliferate parasites, anopheles that transmit malaria.

Select the correct answer using the code given below:

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

Answer-d

While surface dam stores river water, a subsurface dam stores groundwater.

- **Statement 1 is incorrect-** A subsurface dam does not lose reserved water by evaporation because water is stored underground and there is very little evaporation, in contrast with a surface dam that often loses a significant amount of reserved water due to evaporation in the dry season in arid or semi-arid areas.
- **Statement 2 is correct-** A subsurface dam does not submerge land area in contrast with a surface dam because it stores water underground. Therefore, it does not seriously damage the environment, nor does it cause social problems such as the forced migration of the local people.
- **Statement 3 is incorrect-** Reserved water using a subsurface dam is of fairly good quality because it is stored underground, and it can be used like ordinary well water, in contrast with reserved water using a surface dam that tends to proliferate parasites, anopheles that transmit malaria, and germs, and requires purification for domestic use.

Source-[Article](#)

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Q. 3) Which of the following will help in reducing the Current Account Deficit?

- 1.Tight monetary policy
- 2.Improving logistics Infrastructure
- 3.Devaluation of exchange rate

Select the correct answer using the code given below:

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

Answer-d

- **Statement 1 is correct-** Tight monetary policy involves increasing interest rates. Higher interest rates will increase the cost of debt and mortgage repayments and leave people with less money to spend. Therefore, this will reduce their consumption of imports, improving the current account.
- **Statement 3 is correct-** This involves reducing the value of the currency against others. (e.g. selling pounds would cause the value of the Pound to fall). If there is a devaluation of the currency, the price of imported goods increases and therefore the quantity demanded of imports falls. Exports will become cheaper, and there will be an increase in the quantity of exports.
- **Statement 2 is correct-** Supply side policies can improve the competitiveness of the economy and help make exports more attractive. This can improve the current account position, but it may take considerable time to have an effect. For example, if the government improved the supply chain and built good logistical infrastructure it may help to increase the efficiency. This increased efficiency would translate into lower costs of production and more exports.

Source- [Article](#)

Q.4) What are the advantages of Vertical Farming?

1. Increases Photosynthesis
2. Reduces transportation cost
3. Low Initial capital costs for establishment

Select the correct answer using the code given below:

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

Answer-b

- **Statement 1 is correct-** By Vertical Farming, food crops can be cultivated easily in urban areas by planting in vertically stacked layers in order to save space and use minimal energy and water for irrigation. Vertical farming can permit crops to be grown through out the year. It uses L.E.D lights so photosynthesis can occur all day.
- **Statement 2 is correct-** Since vertical farming system can be easily done in cities so this will reduce transportation costs.
- **Statement 3 is incorrect-** High initial capital costs for establishing the vertical farming system is the major problem. In addition there are costs of erecting the structures along with its automation like automated racking and stacking systems, programmable LED lighting systems, climate control system, etc.

Source- [Article](#)

Q.5) In the context of Indian Economy, which one of the following is associated with the term 'Usual Status' mentioned?

- a) Inflation targeting by the central bank
- b) Status of the Stock market
- c) Employment -Unemployment statistics
- d) Differences in Minimum wages across states

Answer- c

- Unemployment is measured on approaches like Usual, weekly, daily status approach.
- Usual Status Approach: This approach estimates only those persons as unemployed who had no gainful work for a major time during the 365 days preceding the date of survey.

Source- [Article](#)

Q.6) With reference to Data protection initiatives in the country, Which of the following will lead to improved data security and privacy scenario in the country.

1. Data anonymization
2. Promoting the Tokenisation policy initiative of RBI
3. Facilitate the growth of Virtual Private Network (VPN)

Which of the statement given above is/are correct?

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

Answer-d

- **Statement 1 is correct-** Data anonymization is a type of information sanitization whose intent is privacy protection. It is the process of removing personally identifiable information from data sets, so that the people whom the data describe remain anonymous.
- **Statement 2 is correct-** Tokenisation refers to replacement of actual credit and debit card details with an alternate code called the "token", which will be unique for a combination of card, token requestor and device. A tokenised card transaction is considered safer as the actual card details are not shared with the merchant during transaction processing.
- **Statement 3 is correct-** Surfing the web or transacting through an unsecured Wi-Fi may make private information and browsing habits of an Individual vulnerable to eavesdropping by strangers using the same network. VPN gives online privacy and anonymity by creating a private network from a public internet connection. VPNs mask an Individual's internet protocol (IP) address so that their online actions are virtually untraceable. Most important, VPN services establish secure and encrypted connections.
- Recently, a Parliamentary Standing Committee has recommended permanent blocking of VPNs. The report identified VPN services as a "technological challenge" that allow criminals to remain anonymous online and access the dark web to commit crimes bypassing security walls.

Source- [Article](#)

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Q.7) Which of the following will help India advance towards Fiscal consolidation

- 1.Enhancing Tax -GDP ratio
- 2.Direct benefit transfer schemes
- 3.Government evoking use of escape clause under Fiscal Responsibility and Budget Management (FRBM) act,2003

Select the correct answer using the code given below:

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

Answer-a

- **Statement 1 is correct-** Enhancing Tax-GDP ratio by widening tax base and minimising tax concessions and exemptions will improve tax revenues, which will lower the budget deficit and borrowing by the government.
- **Statement 2 is correct-**Using Direct benefit transfer for schemes and giving subsidies will lead to better targeting and reduced leakage.
- **Statement 3 is incorrect-** Escape clause provides flexibility to the government to overshoot the fiscal deficits targets in times of need. Its frequent revocation means that government is not been able to lower its fiscal deficit or that there have been lot of economic shocks that have warranted the use of this clause, both of which are not suitable for long term fiscal consolidation.

Source-[Article](#)

Q.8) With reference to the Atma Nirbhar Bharat Rozgar Yojana (ABRY), consider the following statements:

- 1.It will help in formalization of informal employment and create new employment opportunities during and post COVID-19 Pandemic.
- 2.Scheme is being implemented through the Employees Provident Fund Organization (EPFO)

Which of the statements given above are correct?

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

Answer-c

- **Statement 1 is correct-** It was launched to boost employment generation and to minimize socio-economic impact of COVID-19 pandemic. It aims to reduce the financial burden of the employers of various sectors/industries and encourages them to hire more workers.
- **Statement 2 is correct-**This scheme is being implemented through the Employees Provident Fund Organization (EPFO).

Source- [Article](#)

Environment

Q. 9) With reference to Environmental Impact Assessment (EIA), consider the following statements:

1. Category B1 projects are excluded from complete EIA process.
2. Public consultation occurs only once during the entire EIA process in India.

Which of the statements given above are correct?

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

Answer-B

Statement 1 is incorrect: Category A projects and category B1 projects undergo the complete EIA process. Category B2 projects are excluded from complete EIA process.

Statement 2 is correct.

Source: [A stellar fallacy: On hasty assessment of environmental costs](#)

Polity and Governance

Q.1) With reference to the recent plea on **conjugal rights**, which of the following statements describes conjugal rights?

- a) These are rights vested to the properties of Hindu Undivided Family.
- b) These are rights related to armed forces to form union.
- c) These are rights created by marriage, i.e. right of the husband or the wife to the society of the other spouse.
- d) These are economic rights of shareholders while the firm faces insolvency.

Answer: C

These are rights created by marriage, i.e. right of the husband or the wife to the society of the other spouse.

Section 9 of the Hindu Marriage Act, 1955, which deals with restitution of conjugal rights, reads: "When either the husband or the wife has, without reasonable excuse, withdrawn from the society of the other, the aggrieved party may apply, by petition to the district court."

Similar provisions exist in Muslim personal law as well as the Divorce Act, 1869, which governs Christian family law.

Source: [The Hindu](#)

Q.2) Which of the following are biodegradable material?

- 1. Glass
- 2. E-waste
- 3. DDT (Dichlorodiphenyltrichloroethane)
- 4. Leather

Select the correct answer using the code given below.

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

Answer- d

- Leather is made from skins of animals. So, in its true natural form, **leather** is indeed **biodegradable**.
- DDT is non-biodegradable. It's a **persistent organic pollutant that can't decompose into simple, harmless substances in nature**.
- Glass and e- waste are also non biodegradable.

Source- [Article](#)

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Q.3) Person A has recently lost his/her job due to recession. Which of the following will describe A's situation the best?

- a) Frictionally unemployed
- b) Seasonally unemployed
- c) Not in the labour force
- d) Cyclically unemployed

Answer-d

- Frictional unemployment is a type of unemployment that arises when workers are searching for new jobs or are transitioning from one job to another. During a recession, it tends to decline because workers become more concerned about job security since fewer job opportunities are available in the market.
- Seasonal unemployment is when people who work in seasonal jobs become unemployed when demand for labor decreases. For example it may often take place in locations that see high volumes of tourists, as different tourist attractions can close or slow their operations depending on the time of year and season.
- Person A will be counted as a part of the labour force unless he/she decided to give up working altogether, since they lost their job and may be still looking for a job, he/she will be considered part of the labour force and will be called unemployed.
- Cyclical unemployment is the unemployment associated with the business cycle. As, Person A lost his/her job because there was a recession, then A would be regarded as cyclically unemployed.

Source- [Article](#)

Q.4) Which of the following statements best describes the term "Social Contract"?

- a) It refers to lawful restriction on the government so that Liberty of citizens is not compromised.
- b) It is an agreement between the government and citizens, defining the rights and duties of each
- c) It refers to an arrangement where the power to govern comes from the people, but elected officials represent their interests
- d) It is an Opportunity available to all the citizens of the state to develop themselves fully.

Answer-b

- Statement a refers to Limited government, it is a theory of governance in which the government only has those powers delegated to it by law, often through a written constitution.
- Statement c refers to the Republican democracy.
- Statement d defines the term liberty. Positive liberty is the possibility of acting — or the fact of acting — in such a way as to take control of one's life and realize one's fundamental purposes. One may surmise that the purpose of ensuring that one has no obstacles is to realize one's full potential.

Source- [Article](#)

Q.5) Consider the following:

1. Person confined in jail.
2. Person subjected to preventive detention under any law
3. Person with an unsound mind as declared by a court

In India, which of the above is/are allowed to vote in an election?

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

Answer-c

- According to Section 62(5) of the Representation of the People Act, 1951, A Person can not vote at any election if he is confined in a prison, whether under a sentence of imprisonment or transportation or otherwise, or is in the lawful custody of the police.
- According to the Section 62(5) of the Representation of the People Act, 1951, a person subjected to preventive detention under any law is entitled to vote by Postal Ballot paper.
- Every Indian citizen with disability or reduced mobility / functions who has attained the age of 18 years on the qualifying date i.e. first day of January of the year of revision of electoral roll, unless otherwise disqualified of crime or unsound mind as declared by a competent court ,is eligible to be registered as a voter.

Source- [Article](#)

Q.6) According to India's policy of strategic disinvestment of public sector enterprises, which of the following are included in Strategic Sector?

1. Defence sector
2. Transport and Telecommunications sector
3. Power sector

Select the correct answer using the code given below:

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

Answer-d

Following 4 sectors to come under Strategic sector-

Atomic energy, Space and Defense

Transport and Telecommunications

Power, Petroleum, Coal and other minerals

Banking, Insurance and financial services

Source- [Article](#)

Q7. Consider the following statements

1.While lake ecosystem follows a food chain based on grazing pathway, wetlands have a detritus based one.

2.Both Wetlands and lakes have high Productivity

Which of the above given statements is/are correct?

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

Answer-d

- **Productivity** refers to the rate of generation of biomass in the ecosystem. While lakes have low productivity , wetlands have high productivity.
- In Lakes Food chain is based on grazing pathway and in wetlands they are mostly detritus Pathway based.

Source- [Article](#)

Science and Technology

Q.8) Which of the following factors contributes to Antimicrobial Resistance (AMR)?

1. Wrong diagnosis of disease
2. Inappropriate use of antimicrobial drugs
3. Increasing biosecurity on farms
4. Providing high doses of antimicrobials

Select the correct answer from the code given below:

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

Answer: C

The AMR will increase if there is,

- Wrong diagnosis of disease
- Inappropriate use of antimicrobial drugs
- Reducing biosecurity on farms
- Providing high doses of antimicrobials
- Not following recommendations

Source: [Clear and present danger: Lancet study highlights AMR time bomb in India, world](#)

Q.9) Consider the following activities:

1. Mining and quarrying
2. Education
3. Consumer electronics

Which of the above can be regarded as secondary sector activities?

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

Answer- d

Secondary sector includes manufacturing units, small scale units, large firms, Consumer electronics will come under this. While Mining and quarrying will come under primary sector and Education under services sector.

Q.1) If an economy initially has a balanced budget, but its transfer payments increase, what happens to the budget balance and national debt?

- a) There will be a budget surplus; national debt will decrease
- b) There will be a budget deficit; the national debt will increase
- c) There will be a budget deficit; no impact on national debt
- d) There will be a budget surplus, no impact on national debt

Answer-b

- If an economy with a balanced budget experiences an increase in transfer payments, it will not experience a budget surplus.
- A budget deficit occurs when tax revenues are less than government spending and transfer payments. If transfer payments increase, but tax revenue does not, then the budget will move to a deficit. As a result of a budget deficit, the government will add to its national debt.
- Transfer payment are for redistribution of income and wealth by means of the government making a payment, without goods or services being received in return. Examples of transfer payments include welfare, financial aid, social security, and government subsidies for certain businesses.

Source- [Article](#)

Q.2) Consider the following statements:

1. PSLV (Polar satellite launch vehicle) is designed mainly to deliver the “earth observation” or “remote sensing” satellites.
2. GSLV (Geo synchronous launch vehicle) is mainly designed to deliver the communication satellites to the Sun synchronous Polar orbits.

Which of the statements given above is/are correct?

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

Answer-a

- Both PSLV and GSLV are satellite launch vehicles developed by ISRO. PSLV mainly delivers the “earth observation” or “remote sensing” satellites to the Sun synchronous Polar orbits of 600-900 km altitude.
- GSLV is mainly designed to deliver the communication satellites to the geosynchronous transfer orbit.

Source- [Article](#)

Q.3) Which term takes into account both the number of species in a community, as well as the relative number of individuals in each species?

- (a) Species diversity
- (b) Abundance
- (c) Species Richness
- (d) Resilience

Answer-a

- Species richness is the number of different species in a particular community (and not the total number of Individuals in each species).
- Species diversity is a measure of community complexity. It is a function of both the number of different species in the community (species richness) and their relative abundances (species evenness). Larger numbers of species and more even abundances of

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species lead to higher species diversity. A forest community with 20 different kinds of trees in even abundances would have greater species diversity than a forest community with the same number of species in very uneven abundances (for instance, with 90% of the trees belonging to a single species).

- Abundance refers to a quantity but does not specifically describe the number of species or individuals in a community.
- Resilience describes an ability of an ecosystem to withstand and recover from a disturbance. It does not describe the number of Individuals or species in an ecosystem.

Source- [Article](#)

Q.4) Consider the following statements:

1. India is the largest producer of milk and pulses.
2. FDI up to 100%, under the automatic route is allowed in food processing industries.

Which of the statements given above is / are correct?

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

Answer-c

Both statements are true

India is World's largest producer of Spices, Milk and Pulses, World's second largest producer of food grains, fruits, and vegetables.

Source- [Article](#)

Q.5) Consider the following statements:

1. Rising ocean alkalinity
2. Rising ocean sea level
3. Melting ice sheets
4. Increasing permafrost

Which of the above are environmental problems, most directly associated with atmospheric warming?

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

Answer- c

Ocean becomes more acidic due to atmospheric warming

It leads to Rising ocean sea level and melting ice sheets.

Atmospheric warming causes permafrost to melt, not form.

Source- [Article](#)

Q.6) Consider the following Phenomenon:

1. Presence of low-lying clouds
2. Availability of moisture along the Indo-Gangetic plains
3. Western disturbances passing over India

Which of the above condition(s) contributes to colder winters in North India?

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

Answer- c

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- Western disturbance is an extratropical storm originating in the Mediterranean region that brings sudden winter rain to the northern parts of the Indian subcontinent. After a western disturbance crosses India, cold winds from the far north of the country penetrate to lower latitudes, and can reach up to even Telangana and Maharashtra, leading to colder weather, and sometimes to cold wave conditions.
- The presence of low-lying clouds and the availability of moisture along the Indo-Gangetic plains made it favourable for cold day conditions and the additional chill factor experienced during the day time.

Source- [Article](#)

Q.7) Which of the following statement best describes the effect of a tariff?

- a) It decreases the quantity of a good bought in a country and decreases tax revenue.
- b) It decreases the domestic price of a good and has no effect on total product surplus.
- c) It increases the quantity of a good bought in a country and increases tax revenue.
- d) It increases the domestic price of a good and decreases availability of a product.

Answer -d

- Customs duties on merchandise imports are called tariffs. Tariffs give a price advantage to locally-produced goods over similar goods which are imported, and they raise revenues for governments.
- When a tariff is imposed the volume of imports shrinks. The cost to the economy is a loss of consumer surplus, as consumers have to pay higher prices to get products that they previously imported at lower prices.

Source- [Article](#)

Q.8) With reference to Padma Awards in India, consider the following statements:

1. A person can nominate himself for the award.
2. Padma Awards committee is headed by Prime Minister.
3. These awards can also be conferred posthumously.

Which of the statements given above is/are correct?

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

Answer: c

- **Statement 1 is correct:** Any citizen of India can nominate a potential recipient. One can even nominate one's own self. All nominations are to be done online where a form is to be filled along with details of the person or the organisation being nominated.
- **Statement 2 is incorrect:** All nominations received for Padma awards are placed before the Padma Awards Committee, which is constituted by the Prime Minister every year. The Padma Awards Committee is **headed by the Cabinet Secretary** and includes Home Secretary, Secretary to the President and four to six eminent persons as members.
- **Statement 3 is correct:** The award is normally not conferred posthumously. However, in highly deserving cases, the Government could consider giving an award posthumously.

Source: [Article](#)

Science and Technology

Q9) With reference to Negative ion technology, consider the following statements:

1. This technology embeds negative ions in personal products and is currently being advertised as a means to maintain health, balance energy, and improve well-being.
2. The minerals that produce negative ions often include naturally occurring radioactive substances such as uranium and thorium.

Which of the statements given above is/are correct?

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

Answer: C

Both the statements are correct.

Recently, the Authority for Nuclear Safety and Radiation Protection (ANVS), Netherlands issued a statement identifying various negative ion wearable products containing more Radioactivity than legally permitted.

It is believed that negative ions create positive vibes and uplift the mood. They show the various mental and physical health benefits, such as stress reduction, better sleeping, respiration etc. whereas these ions may also act on pollutants, make them negatively charged and get them collected on surfaces.

Source: [The Hindu](#)

ENVIRONMENT

Q10) With reference to Spot-billed pelican, consider the following statements

1. Within Indian territory, the bird is found to breed only in peninsular India.
2. It is listed as endangered in the IUCN red list of species.

Which of the statements given above is/are correct?

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

Answer: a

- **Statement 1 is correct:** The bird is found to breed only in peninsular India, Sri Lanka and in Cambodia.
- **Statement 2 is incorrect:** It is listed as Near Threatened (NT)

Source: [Article](#)

Science and Technology

Q.11) Which of the following advantage(s) are associated with Small Satellite Launch Vehicle (SSLV)?

1. Increase in Turn-around Time
2. Flexibility in accommodating Multiple Satellites
3. Minimum launch infrastructure requirements

Select the correct answer from the codes given below.

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

Answer: B

The SSLV would help in a) Reduced Turn-around Time b) Launch on Demand c) Cost Optimization for Realization and Operation d) Flexibility in accommodating Multiple Satellites and e) Minimum launch infrastructure requirements.

Source: [Explained: Everything we know about ISRO's new SSLV programme](#)

PRELIMS

Q.1) Consider a hypothetical scenario:

In some Schools student activity levels are monitored so that facial expressions changing could be a cue that the student has either lost interest or is confused. This is allowing teachers to pinpoint the exact location of the lesson that should be revisited in order to help students learn better.

In the context of emerging technologies, which one of the following terms is described in the above scenario?

- a) Cloud computing
- b) Internet of Things
- c) Big Data Analytics
- d) Augmented Reality

Answer- c

- **Big data analytics** which is the term used to describe the examination of large amounts of data to see what patterns or other useful information can be found.
- **Internet of Things** is the idea of everyday objects like light bulbs and thermostats being connected to the Internet, enabling an Individual to sort of communicate with devices and allowing devices to interact to each other and work simultaneously.

Source- [Article](#)

Q.2) Which of the following practices will help in Preventing Ground water exploitation?

1. Zero Tillage
2. Replacing sugarcane plantation with cotton
3. Adoption of modern precision irrigation technologies

Select the correct answer using the code given below:

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

Answer-a

- Cotton is also a water intensive crop. Following are the Typical Crop water requirement (in litres) per kilogram of crop. For Cotton 7,000 - 29,000 and for Sugar Cane it is 1,500 - 3,000.
- The No Till system is very effective to increase soil water infiltration, to reduce evaporation from soil and also to reduce water run-off. The water availability for crops is increased. The savings in soil moisture can be just as important, especially in a year when soil moisture and precipitation are short or when irrigation is costly or water supplies are limited.

Source- [Article](#)

Q.3) Which of the following factor(s) might lead to an increase in government spending?

- 1.High Unemployment rate
- 2.Too High Rate of Inflation
3. High Level of output in the economy

Select the correct answer using the code given below:

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

Answer- c

- When government spending increases, the level of output in the economy increases, causing the unemployment rate to decrease. Increasing government spending is an example of an expansionary fiscal policy action that increases output, decreases the unemployment rate, and increases the price level.
- In economics, output is the quantity of goods and services produced in a given time period. The level of output is determined by both the aggregate supply and aggregate demand within an economy. The level of output increases when government spending increases. A government should decrease government spending if it is concerned that the level of output is too high.
- The rate of inflation increases when government spending increases. A government should decrease government spending if it is concerned about the rate of inflation.

Source- [Article](#)

Q.4) With reference to Ocean Warming, consider the following statements

- 1.It limits the metabolism of large fish.
- 2.It reduces the ocean's ability to absorb CO₂.
- 3.It increases the thickness of shells on shelled organisms.

Which of the statements given above is / are correct?

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

Answer- c

- Warming oceans hold less dissolved oxygen than cooler waters, so fish struggle to extract enough oxygen through their gills. As a result of which Larger fish will especially need more oxygen to change food into the energy needed to support a larger body of cells.
- As water temperature **increases**, Water's ability to dissolve CO₂ **decreases**. Global warming is expected to reduce the ocean's ability to absorb CO₂, leaving more in the atmosphere which will lead to even higher temperatures.
- Ocean warming is causing a decrease, not an increase, in shell thickness. The calcium carbonate that organisms use to build shells is less soluble and therefore less available in warmer water.

Source- [Article](#)

Q.5) Consider the following statements

- 1.Exotic species can face competition from the native natural species in the area they are introduced to.
- 2.Unlike exotic species, Invasive species are always cause of concern for the environment they are introduced in.

Which of the statements given above is / are correct?

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

Answer- c

Exotic species could be defined as any organism that happens to live outside its natural distribution range as a consequence of anthropogenic activity, or activities through deliberate or accidental introduction to a new habitat. The primary understanding about an exotic species is that, it is a non-native or non-indigenous in its new location

Exotic species may or may not have natural competitors whereas invasive species do not have any danger of such barriers.

Invasive species have been one of the major problems for the environment, ecology, and economy of many places. According to the definition, an exotic species becomes invasive when the population starts to increase through reproduction that happens because there are no natural enemies in the new habitat.

Exotic species may or may not be harmful. But Invasive species are always a cause of concern.

Source- [Article](#)

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Q.6) Consider the following pairs:

Cities

1. Ashgabat
2. Dushanbe
3. Alma-Ata

Country

- Turkmenistan
- Tajikistan
- Uzbekistan

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

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

Answer-b

Alma Ata is in Kazakhstan.
Please refer to the map below.

Q.7) Consider the following statements:

1. Dardanelles Strait links Sea of Marmara with Aegean Sea.
 2. Kerch strait connects sea of Marmara and Black Sea
- Select the correct answer using the codes below.

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

Answer- a

Dardanelles connects the Aegean Sea with the Sea of Marmara.

Kerch strait connects the Black Sea and the Sea of Azov

Bosphorus Strait connects the Black Sea with the Sea of Marmara.

Source- [Article](#)

SCIENCE AND TECHNOLOGY

Q8) With reference to Artificial snow used in winter competitions, consider the following statements:

1. It is produced by mixing ice particles with water vapor.
2. Athletes are at a greater risk when they are competing on artificial snow compared to natural snow.

Which of the statements given above is/are correct?

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

Answer: c

Both statements are correct.

- Machines produce this snow by pumping out ice particles at the same time as a thin mist of water vapor. Both these particles are launched up to 60 m in the air where they combine to become snow and then fall to the ground.
- Athletes are at a greater risk when competing on artificial snow, as it tends to create a faster and harder surface, which can cause more severe injuries when falls occur.

Source: [Article](#)

Environment

Q.9) With reference to **Fly Ash**, consider the following statements:

1. Fly Ash exhibit cementitious properties.
2. It is a byproduct from burning of coal in electric power generating plants.
3. Fly ash particles are not toxic air pollutants.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: Fly Ash exhibit cementitious properties. A cementitious material is one that hardens when mixed with water. Hence, It is used in concrete and cement products, road base, metal recovery, and mineral filler among others.

Statement 2 is correct.

Statement 3 is incorrect: Fly ash particles are toxic air pollutants. They can trigger heart disease, cancer, respiratory diseases and stroke.

Source: [Fly Ash Management and Utilisation Mission: Will it boost handling, disposal of by-product](#)

Modern History

Q.10) Consider the following pairs:

Women Freedom fighters- Associated events

1. Usha Mehta - Quit India Movement
2. Durgawati Devi - Provided safe passage to Bhagat Singh
3. Parbati Giri - Jhansi Rani of Travancore

Select the correct answer from the codes given below.

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

Answer: B

Women Freedom fighters - Associated events

1. Usha Mehta - Quit India Movement
2. Durgawati Devi - Provided safe passage to Bhagat Singh
3. Parbati Giri - Mother Teresa of Western Odisha
4. Accamma Cherian - Jhansi Rani of Travancore

Source: [PIB](#)

PRELIMS

Q.1) Consider the following pairs:

Diseases

1. Tuberculosis

2. Malaria

3. Leishmaniasis

Pathogen

Virus

Bacteria

Parasite

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

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

Answer- c

Tuberculosis (TB) is caused by bacteria (*Mycobacterium tuberculosis*) and it most often affects the lungs. TB is spread through the air when people with lung TB cough, sneeze or spit. A person needs to inhale only a few germs to become infected.

Malaria is a disease caused by parasites that are transmitted to people through the bites of infected female *Anopheles* mosquitoes.

Leishmaniasis is a parasitic disease that is found in parts of the tropics, subtropics, and southern Europe. It is classified as a neglected tropical disease (NTD). Leishmaniasis is caused by infection with *Leishmania* parasites, which are spread by the bite of phlebotomine sand flies.

Source- [Article](#)

10 PM Compilation for the Month of January Fourth Week, 2022

Q.2) Which of the following is most likely to be negatively affected by the deflation?

- a) An Individual who owes a big loan to the State bank of India
- b) A boy who has stored cash in almirah for last 6 months
- c) An Individual who has 1000 rupees in his bank account earning 1 percent interest every year.
- d) An elderly couple who receives 10000 rupees as pension every month

Answer- a

Deflation hurts borrowers and benefits lenders. The amount that is repaid can buy more goods and services than when the loan was made. This increases the value of what a borrower must repay in real terms, even if the actual amount doesn't change.

Savers benefit from deflation, even if they aren't earning any interest.

The pensioners will gain from the deflation. The falling price level means that every month they will be able to buy more as prices continue to fall.

Source- [Article](#)

Q.3) If President of India veto a bill passed by the Parliament, then which of the following democratic ideals define the situation the best-

- a) Natural Rights
- b) Checks and balances
- c) Social contract
- d) Popular sovereignty.

Answer- b

This is not an example of natural rights as it does not limit or advocate for the rights of "life, liberty, and property."

This is an example of checks and balances as it refers to how the three branches of the government limit each other's powers.

This is not an example of popular sovereignty because under this the power of elected officials come from the "consent of the governed."

Source- [Article](#)

Q.4) With reference to the Pradhan Mantri Awas Yojana (Urban) Scheme, which of the following statement(s) is/are correct?

- 1. It is mandatory under the mission that the female head of the family becomes the owner or co-owner of the house.
- 2. It intends to provide housing for all in urban areas by the year 2022.

Select the correct answer using the given code below

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

Answer-c

Pradhan Mantri Awas Yojana (Urban) Mission launched on 25th June 2015 which intends to provide housing for all in urban areas by year 2022.

In continuation to this Government's efforts towards empowerment of women from Economically Weaker Section(EWS) and Low Income group(LIG) unlike earlier schemes, PMAY (U) has made a mandatory provision for the female head of the family to be the owner or co-owner of the house under this Mission.

Source- [Article](#)

10 PM Compilation for the Month of January Fourth Week, 2022

Q.5) Suppose in an economy all the other factors of production are held constant and only labour and output increases, then which of the following is most likely to happen?

- a) Employment decreases
- b) Unemployment decreases
- c) Capital increases
- d) None of the above

Answer-b

The factors of production are **land, labor, capital, and entrepreneurship**.

If all other factors of production are held constant, economy will need more workers to make more output, not fewer workers.

When all factors of production other than labour are held constant, unemployment decreases when output increases because output and unemployment are inversely related.

As is mentioned in the question itself that all factors of production are constant except labour so capital cannot increase.

Source- [Article](#)

Q.6) With reference to Electoral bonds, consider the following statements:

- 1.It is a bearer instrument in the nature of a Promissory Note
- 2.Purchaser would be allowed to buy electoral bond(s) for any political party.
- 3.Only citizen of India or a body incorporated in India will be eligible to purchase the bond.

Which of the statements given above is/are correct?

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

Answer- a

Electoral Bond would be a **bearer instrument in the nature of a Promissory Note** and an interest free banking instrument. A citizen of India or a body incorporated in India will be eligible to purchase the bond.

Electoral Bonds would have a life of only 15 days during which it can be used for making donation **only** to the political parties **registered under section 29A of the Representation of the Peoples Act, 1951 (43 of 1951)** and which **secured not less than one per cent of the votes polled in the last general election to the House of the People or a Legislative Assembly**.

Source- [Article](#)

Q.7) Which one of the following statements best describes the term 'Green GDP'?

- a) It is the measure of forests and green spaces in the territory of the country in monetary terms and adding it to the traditional GDP figures
- b) It is calculation of the loss of biodiversity in monetary form and subtracting resource depletion from the traditional GDP figures
- c) It is the measure of growth in green investments both domestic and foreign.
- d) All of the above

Answer-b

- Green GDP means that it accounts the monetized loss of biodiversity, costs caused by climate change.
- Green GDP is conventional gross domestic product figures adjusted for the environmental costs of economic activities. It's a measure of how a country is prepared for sustainable economic development.

Source- [Article](#)

Q.8) Light House Project sometimes seen in news, it is associated with which of the following?

- a) It is a model housing project with houses built with shortlisted alternate technology suitable to the geo-climatic and hazard conditions of the region.
- b) Under this project, students from underprivileged backgrounds are mentored by industry professionals.
- c) It involves construction of Light Houses to aid marine navigation and promote ease of doing business.
- d) It includes skill training and access to affordable credit for self-employment.

Answer: a

- Light House Projects (LHPs) are model housing projects with houses built with shortlisted alternate technology suitable to the geo-climatic and hazard conditions of the region. These houses will be disaster-resilient, environment-friendly, cost-effective, and have speedy construction technologies.

Source: [Article](#)

Science and Technology

Q.9) Consider the following pairs

Space Agency/Country - Space mission/Programme

1. NASA - Artemis
2. European Space Agency - Pathfinder Lunar Orbiter
3. Russia-China JV - Permanent lunar habitat

Which of the above pairs are matched correctly?

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

Answer: B

Space Agency/Country - Space mission/Programme

1. NASA - Artemis
2. South Korea - Pathfinder Lunar Orbiter
3. Russia-China JV - Permanent lunar habitat

Source: [All eyes on the moon](#)

Q.10) With reference to Public Accounts Committee (PAC), consider the following statements:

1. It examines the audit report of the Comptroller and Auditor General (CAG) before it is laid in the Parliament.
2. It has the powers to examine both the retired officials and the incumbent ones.

Which of the statements given above is/are correct?

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

Answer: d

Both statements are incorrect.

- **Statement 1 is incorrect:** It examines the report after its laid before the Parliament.
- **Statement 2 is incorrect:** It doesn't have the power to examine the retired officials.

Source: [Article](#)

Science and Technology

Q11. With reference to **Neglected Tropical Diseases (NTD)**, Consider the following statements:

1. Snakebite envenomation, scabies, yaws, trachoma are NTD.
2. London Declaration recognise the global burden of NTDs.

Which of the statements given above is/are correct?

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

Answer: C

Both the statements are correct.

Source: [Neglected Tropical Diseases Day: India can beat them but that needs bold action](#)