

10 PM Current Affairs Quiz Compilation

25th to 30th July, 2022

PRELIMS

Q.1) Consider the following statements regarding Gross Fixed Capital Formation (GFCF):

1. GFCF includes both public and private investments.
2. GFCF calculates the total investments in the country after adjusting for depreciation.

Select the correct answer using the codes given below

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

Ans.) a

Exp.)

Statement 1 is correct. Gross fixed capital formation (GFCF) refer to both private and public investments in infrastructure.

Statement 2 is incorrect. GFCF is not a measure of total investment, because only the value of net additions to fixed assets is measured, and all kinds of financial assets are excluded, as well as stocks of inventories and other operating costs.

[Source](#)

Q.2) Which of the following are the hurdles to the implementation of National Mobile Monitoring Software (NMMS):

1. Unstable network in rural India
2. Digital divide among genders
3. Bio-metrics mismatch
4. Malnutrition

Answer using the codes given below

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

Ans.) a

Explanation)

All 3 options are correct.

Implementation challenges

There is a lack of a stable network in rural India. Thus, many workers won't be able to mark their attendance, and would lose a day of wages. For example, Kerala and Jharkhand recorded such cases.

While selecting NREGA mates, **smartphone-owning men** are likely to be given preference over **women having no smartphone**. It is mandatory for the **NREGA Mates** to have a smartphone.

For example, Jharkhand and Andhra Pradesh have seen such cases.

Read this article

Malnutrition is not a challenge to the implementation of the app.

Q.3) Consider the following statements regarding Fiberisation:

1. Fiberisation is an alternative to the radio towers.
2. It help in carrying large amounts of data.

Answer using the codes given below

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

Ans.) b

Explanation)

Statement 1 is incorrect. Fiberisation is the process of connecting radio towers with each other via optical fibre cables.

Statement 2 is correct. It helps provide full utilisation of network capacity, carry large amounts of data, and aid in providing additional bandwidth.

Q.4) Consider the following options:

Type of agriculture - Method

1. Greenhouse agriculture - Protected cultivation in polythene enclosures
2. Aeroponics - agriculture without soil
3. Hydroponics - Agriculture in water solution

Answer using the codes given below

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

Ans.) d

Explanations

Some new and innovative ways of cultivating plants in a limited space have opened up the way to transform this pastime into agri-business. These systems include vertical farming (stacking layers of plants vertically), greenhouse agriculture (protected cultivation in polythene enclosures), aeroponics (agriculture without soil), and hydroponics (nurturing plants in water solution).

Q.5) Consider the following statements, as per the 2011 Census:

1. The proportion of older persons in the overall population is more than 10%.
2. The proportion of female is higher than male in population of above 60.

Select the correct answer using the codes given below

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

Ans.) b

Explanation)

Statement 1 is incorrect. The proportion of older persons in the overall population is low (8.6%), their overall number is very high (104 million), as per the 2011 census.

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Statement 2 is correct. According to Population Census 2011 there are nearly 104 million elderly persons (aged 60 years or above) in India; 53 million females and 51 million males.

Q.6) SHINYUU Maitri is a bilateral exercise between India and which of the following country?

- a) South Korea
- b) Vietnam
- c) Singapore
- d) Japan

Answer: D

DHARMA GUARDIAN: It is an annual military exercise between India and Japan since 2018.

SHINYUU Maitri: It is a bilateral exercise between the Indian Air Force and the Japanese Air Self Defence Force (JASDF).

JIMEX: It is a bilateral maritime exercise between India and Japan.

Sahayog-Kaijin: Joint bilateral exercise between the Indian Coast Guard and the Japan Coast Guard.

Source: [PIB](#)

Q.7) With reference to Tetrapods, consider the following statements;

1. The tetrapod dissipates the force of the incoming waves by making the water flow against it.
2. These are placed along coastlines to prevent erosion and water damage.

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: B

Statement 1 is incorrect: Each of the Tetrapods' four legs extends out in a different direction, leaving space in between its legs. This allows the tetrapod to dissipate the force of the incoming waves by making the water flow around and not against it.

Statement 2 is correct: These are placed along coastlines to prevent erosion and water damage.

Source: [Indian Express](#)

Q.8) Wentian which was seen in news recently is related to which of the following?

- a) A laboratory module of China's Tiangong space station.
- b) A newly found element from Australia listed as noble gas in IUPAC.
- c) A new cruise missile developed by Ukraine.
- d) A newly found fish species that can mimic characteristics of Dolphin.

Answer: A

The Wentian (which means "quest for the heavens") laboratory module is the second module of China's Tiangong space station. The lab module will provide a bigger platform for scientific experiments in space. It will also function as a backup of the core module, Tianhe.

Source: [The Hindu](#)

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Q.9) With reference to Anusilan Samity, consider the following statements;

1. From its foundation to its dissolution during the 1930s, the Samiti challenged British rule in India by engaging in militant nationalism.
2. It was founded by Deshabandhu Chittaranjan Das and Jatindranath Banerjee.

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: From its foundation to its dissolution during the 1930s, the Samiti challenged British rule in India by engaging in militant nationalism, including bombings, assassinations, and politically-motivated violence.

Statement 2 is incorrect: It was founded by Satish Chandra Pramatha Mitra, Aurobindo Ghose and Sarala Devi.

Source: [PIB](#)

Q.10) For which of the following reason/s the court can deny bail to an accused?

1. To prevent the accused from fleeing justice
2. Any scope that the accused might tamper with the evidence
3. The accused is not ready to apologize to victims

Select the correct answer using the codes given below;

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

Answer: C

The conditions for not granting bail have specific objectives. Such as preventing the accused from fleeing justice and precluding any scope for tampering with evidence or influencing witnesses.

These objectives are usually secured by directing them to stay in a particular place and asking them to record their presence before a police officer or a court at a specified frequency.

Source: [The Hindu](#)

PRELIMS

Q.1) “It is a divide-and-conquer tactic used to dominate opposition territory, piece by piece. Such military operations are too small to result in a war. They leave a neighbouring country confused as it is not able to decide how and how much should it respond. These small military actions also help avoid international diplomatic attention.”

The paragraph given above, describes which one of the following military strategies?

- a) Coercive diplomacy
- b) Deterrence
- c) Salami slicing
- d) Attrition

Ans) c

Explanation)

Salami Slicing is a divide-and-conquer tactic used to dominate opposition territory, piece by piece. Such military operations are too small to result in a war. They leave a neighbouring country confused as it is not able to decide how and how much should it respond. These small military actions also help avoid international diplomatic attention. These small actions cumulate over a period of time and result in a strategic advantage for the aggressive country.

Q.2) Consider the following statements regarding **Joint Theatre Command**

- 1) India is yet to establish any joint theatre command force.
- 2) It can be established only on the basis of geographical regions of a country.

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

Ans) d

Statement 1 is incorrect. At present, there are two joint services commands in India, the first one is Andaman and Nicobar Command (ANC) and the second, being Strategic Forces Command (SFC). Based on the principle of theatre command system, ANC is considered to be the only one of its kind in the country that amalgamates the army, navy and air force as SFC takes care of the nuclear assets of India and is not related to any specific theatre of war.

Statement 2 is incorrect. The USA was the first country to enforce a theatre command system with six geographical and four functional commands presently in place. Thus, commands can also be functional.

Q.3) Which of the following statements correctly describes the effect of principle of cumulative causation, on the economy and society?

- a) Those, who have more wealth than others, can accumulate even more wealth.
- b) Those, who are poor compared to others will also get wealthy in a short period of time.
- c) It is the principle used by government for the redistribution of wealth in an economy.
- d) Those, who have accumulated wealth, would be taxed heavily.

Ans) a

By the principle of cumulative causation, which is a natural law of societal governance, those who have more wealth, knowledge and power than others can accumulate even more because they have the power to fix the rules. Thus, inequalities will increase both within and among nations, as they have. The winners who benefit the most from the game urge others to continue with it. Until they begin to lose, that is, when they walk off the field with the ball.

Q.4) Which of the statements given below is/are correct, regarding Special Economic Zones (SEZs)?

- 1) WTOs rules of fair trade does not apply on the Indian SEZs.
- 2) All states in India have atleast one SEZs.

Answer using the codes given below

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

Ans) d

Statement 1 is incorrect. In 2019, the **World Trade Organization (WTO)** held that subsidies given to Indian SEZ units violated WTOs rules of fair trade. Thus, the new bill will ensure compliance to the WTO rules.

Statement 2 is incorrect. Some states like Jharkhand and Tripura does not have any SEZs yet.

Q.6) With reference to Genetically Modified (GM) Crops, consider the following statements;

1. Bt cotton is the only GM crop which has been approved for commercial cultivation in India.
2. Clearance of Institutional Biosafety Committees (IBSC) is mandatory for the environmental release of GM crops.

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: Bt cotton is the only GM crop which has been approved for commercial cultivation in India.

Statement 2 is incorrect: Clearance of Genetic Engineering Appraisal Committee (GEAC) is mandatory for the environmental release of Genetically Modified (GM) crops. As per the "Rules 1989", State/UT Biotechnology Coordination Committees and District Level Committees are

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responsible for monitoring instances of illegal cultivation of GM crops and taking appropriate action under Environment (Protection) Act, 1986.

Source: [PIB](#)

Q.7) With reference to Digital Banking Units(DBUs), consider the following statements;

1. DBU units are licensed under the Banking Regulation Act.
2. Only existing commercial banks may establish DBUs.

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: B

Statement 1 is incorrect: DBUs are treated as banking outlets, equivalent to a branch. These units do not have a legal personality and are not licensed under the Banking Regulation Act.

Statement 2 is correct: Only existing commercial banks may establish DBUs.

Source: [The Hindu](#)

Q.8) N-Treat Technology which was seen in news recently, is related to which of the following statements?

- a) It is a technology to treat nuclear waste generated in nuclear reactors.
- b) It is a natural and environmentally friendly way for sewage treatment.
- c) It is a new way to treat single use plastic waste.
- d) It is a way to treat monkey pox infections.

Answer: B

N-Treat is a seven-stage process for waste treatment that uses screens, gates, silt traps, curtains of coconut fibres for filtration, and disinfection using sodium hypochlorite.

It is a natural and environment friendly way for sewage treatment. Its set up takes place within the nullah channels, that is through the in-situ or on-site method of treatment, and does not require additional space

Source: [Indian Express](#)

Q.9) Which of the following is/are the benefits of effective manure management?

1. Generation of biogas equivalent to 50% of India's present LPG consumption.
2. Production of bio-slurry equivalent to 44% of India's NPK requirement.
3. Tackle the problem of stray cattle

Select the correct answer using the codes given below;

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

Answer: D

The benefits of effective manure management are,

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Firstly, manure management initiatives have the potential to generate biogas equivalent to 50% of India's present LPG consumption and to produce bio-slurry equivalent to 44% of India's NPK (nitrogen, phosphorous and potash) requirement.

Secondly, it will open avenues of additional income for dairy farmers from the sale of slurry/dung.

Thirdly, efficient manure management promotes general well-being & cleanliness and contributes to increasing the productive economic life cycle of the milch animals beyond milking. Thereby helping tackle the problem of stray cattle & lowering GHG emissions.

Source: [PIB](#)

Q.10) With reference to Migratory Monarch Butterflies, consider the following statements;

1. They are important pollinators and provide various ecosystem services such as maintaining the global food web.
2. These are listed as Vulnerable under IUCN Red list.

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: They are important pollinators and provide various ecosystem services such as maintaining the global food web.

These butterflies follow a unique lifestyle. They traverse the length and breadth of the American continent twice a year, feasting on nectar from a variety of flora. But they breed in only one particular plant — the milkweeds.

Statement 2 is incorrect: The International Union for Conservation of Nature (IUCN) has classified Migratory Monarch Butterflies as Endangered under IUCN Red List.

Source: [DTE](#)

PRELIMS

Q.1) With regard to history of North-East regions of India, consider the following statements

- 1) Myanmar was annexed into India on the pretext of misgovernance.
- 2) Burma was separated from the rest of India in 1945.

Select the correct answer using the codes given below

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

Ans) d

Explanations

Statement 1 is incorrect. Burma acquired a border with British Bengal in 1785, when Burmese forces seized the coastal kingdom of Arakan. A Burmese invasion of Assam, north of Bengal, was seen as a threat to British India, and led to the first Anglo-Burmese War (1824-1826). As a result of this war, the British acquired parts of Lower Burma (in southern Myanmar). Further wars in 1852 and 1885 led to the conquest of the rest of Lower Burma and Upper Burma.

Statement 2 is incorrect. The Government of Burma Act 1935 confirmed that separation would occur on April 1, 1937, ending 51 years of the country being ruled as a province of India.

Q.2) Consider the following statements

- 1) Sir Creek is the Westernmost Point in India
- 2) Kuttanad has the lowest altitude in India
- 3) Assam shares border with all other North-East states of India

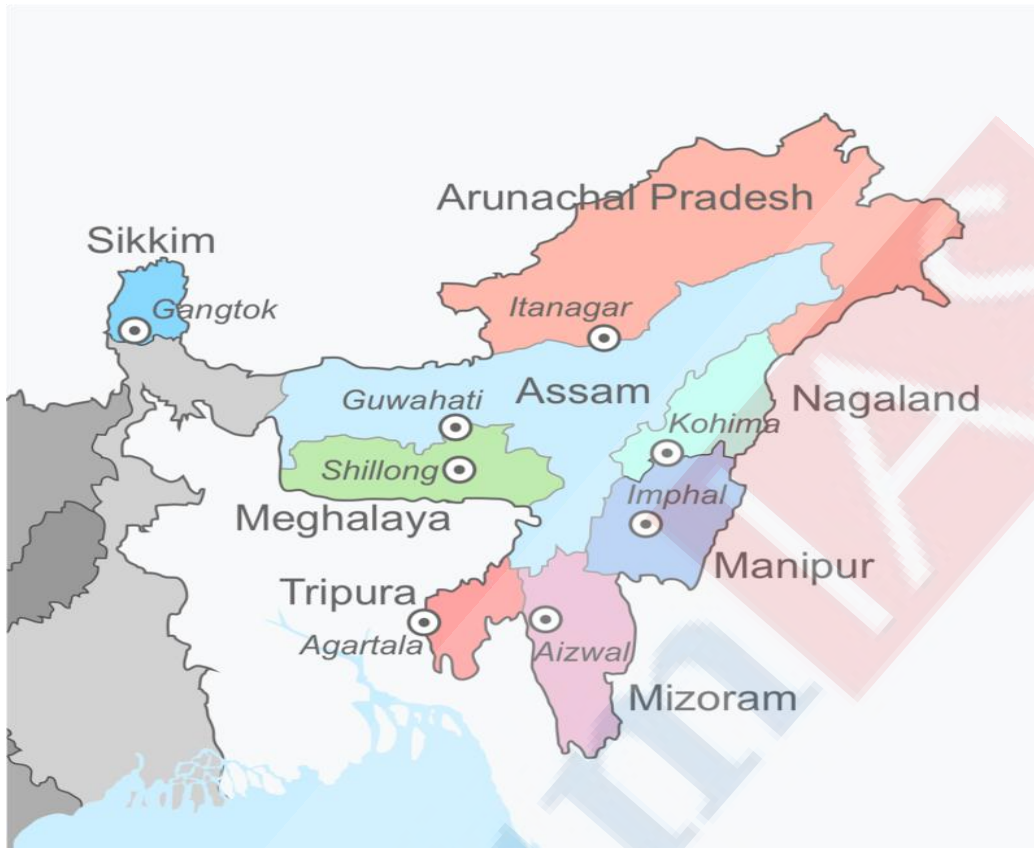
Which of the statements given above is/are correct?

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

Ans) a

Explanation)

The first 2 statements are correct. Kuttanad is the lowest point of India, lying at an elevation of 2.2 m below the sea level. It is situated in the state of Kerala, in the Alappuzha and Kottayam districts.



Assam shares borders with all North-East states except Sikkim.

Q.3) Which of the following statements correctly describes the term 'High tax buoyancy'?

- a) High tax collection without changing the tax rate
- b) low tax collection on the unchanged tax rates
- c) No change in the collection despite the high tax rate
- d) change in the tax rate does not affect collection in any way.

Ans) a

Tax buoyancy refers to the responsiveness of tax revenue growth to changes in GDP. When a tax is buoyant, its revenue increases without increasing the tax rate.

Q.4) Consider the following statements regarding 'public health emergencies of international concern (PHEIC)'

- 1) States have a legal duty to respond promptly to a PHEIC.
- 2) A PHEIC is declared by the United Nations.
- 3) PHEIC may cover events caused by chemical agents or radioactive materials.

Select the correct answer using the codes given below

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

Ans) c

Statement 1 is correct. Under the 2005 International Health Regulations (IHR) states have a legal duty to respond promptly to a PHEIC.

Statement 2 is incorrect. A PHEIC is a formal declaration by WHO of 'an extraordinary event which is determined to constitute a public health risk to other States through the international spread of disease.

Statement 3 is correct. PHEIC are not confined to only infectious diseases and may cover events caused by chemical agents or radioactive materials. However, to date, all PHEIC declarations have been for viral emerging infectious diseases, not for bacterial diseases, nor for chemical or radioactive materials.

Q.5) Dewan Chaman Lal committee which was seen in news recently, was related to which of the following?

- a) To increase private players in space sector in India.
- b) The committee for the first time recognized the service charge in India.
- c) To improve the daily wages of unorganised sector workers.
- d) The committee which demanded to reduce construction activities in the Himalayas.

Answer: B

Hotel Standards and Rate Structure Committee: The committee was formed under the chairmanship of Dewan Chaman Lal in 1958. The committee recognised the service charge and recommended the following,

a) There be a uniform charge of 10% on the customer's bill throughout India, b) Condemned the practice of solicitation of tips, calling it injurious to the dignity of the worker and causing harassment to the customer, c) Demand for the introduction of comprehensive legislation to provide a minimum-wage structure, uniform rate of service charge and the utilisation and allocation of the service charge for the benefit of the staff, and d) A portion of the service charge so collected may be utilised to provide benefits such as provident funds, pensions and life insurance.

Source: [Indian Express](#)

Q.6) Which of the following benefit/s will occur by integrating satellite networks (SatNets) with terrestrial 5G networks?

1. Seamless connectivity in case of public safety, disaster management and emergency situations.
2. It will reduce digital divide.
3. The operators can provide service to stationery and in-motion users.

Select the correct answer using the codes given below;

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

Answer: D

There are three main benefits of integrating satellite networks (SatNets) with terrestrial 5G networks are,

- 1) Service continuity:** Integration will provide a seamless transition between terrestrial networks and SatNets in case of public safety, disaster management and emergency situations;
- 2) Service ubiquity:** Integration can provide 5G services in unserved and underserved areas of the world;
- 3) Service scalability:** This utilises the unique capabilities of SatNets in multicasting and broadcasting similar content over a large geographical area. The LEO SatNets can provide service not only to stationary but also to in-motion users.

Source: [The Hindu](#)

Q.7) Consider the following pairs,

Wetlands	-	Associated States
1. Pallikaranai Marsh Reserve Forest-		Tamil Nadu
2. Pala wetland	-	Assam
3. Sakhya Sagar Lake	-	Madhya Pradesh

How many pairs given above are correctly matched?

- a) Only one pair
- b) Only two pairs
- c) All three pairs
- d) None of the above pairs

Answer: B

India has added five more Ramsar Sites or Wetlands of International Importance. With this, the number of Ramsar Sites in India has increased from 49 to 54. These are,

Wetlands	-	Associated States
1. Pallikaranai Marsh Reserve Forest-		Tamil Nadu
2. Karikili Bird Sanctuary	-	Tamil Nadu
3. Pichavaram Mangrove	-	Tamil Nadu
4. Pala wetland	-	Manipur
5. Sakhya Sagar Lake	-	Madhya Pradesh

Source: [PIB](#)

Q.8) With reference to service charges in hospitality sector, consider the following statements;

1. The practice of levying a service charge has been followed by the hospitality industry since 1991.
2. So far, the levying of service charges has not been upheld by the Supreme Court.

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

Statement 1 is incorrect: The practice of levying a service charge has been followed by the hospitality industry since Independence.

Statement 2 is incorrect: The levying of service charges has been upheld by various decisions of the Supreme Court as well as the National Consumer Disputes Redressal Commission.

Source: [Indian Express](#)

Q.9) Which of the following countries is/are not part of MIST Submarine Cable System?

1. India
2. Sri Lanka
3. Turkmenistan

Select the correct answer using the codes given below;

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

Answer: B

MIST is an 8,100 Km long international submarine cable communication network. It will traverse undersea to connect India with countries such as Myanmar, Thailand, Malaysia and Singapore.



Source: [The Hindu](#)

PRELIMS

Q.1) Consider the following statements

- 1) This region falls under dry deciduous forest eco-region.
- 2) The area was identified as the most suitable locations for the reintroduction of Asiatic Lion.
- 3) The area was once a prime cheetah habitat and a principal site for their capture during the Mughal era.

Which of the following options has been described in the statements given above?

- a) Panna National Park
- b) Nauradehi Wildlife Sanctuary
- c) Kuno National Park
- d) Gir National Park

Ans) c

Kuno National Park predominantly consists of grasslands and sparse forests that are home to an abundance of mammals, reptiles, birds and butterflies. The region was once a prime cheetah habitat and a principal site for their capture during the Mughal era.

Biogeographically this area falls under the Kathiawar-Gir dry deciduous forest eco-region and the forest types found in this area include the Northern tropical dry deciduous forest, Southern tropical dry deciduous forest, Dry Savannah forest & grassland, Tropical riverine forest.

[Base article](#)

Q.2) Which of the following statements is/are correct?

- 1) While Regional Comprehensive Economic Partnership (RCEP) includes all ASEAN countries, Indo-Pacific Economic Framework (IPEF) does not.
- 2) While RCEP includes all Quad countries, IPEF does not.

Answer using the codes given below

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

Ans) a

Statement 1 is correct and 2 is incorrect. The Regional Comprehensive Economic Partnership (Rcep) includes all 10 Asean nations plus Japan, South Korea, Australia, New Zealand and China but not the US. The IPEF includes the four Quad countries plus South Korea, New Zealand, Fiji and seven out of the 10 members of the Association of South-East Asian Nations (Asean).

[Source](#)

Q.3) Consider the following objectives of “Defence Production and Export Promotion Policy 2020”

- 1) To achieve a defence production turnover of \$25 Bn by 2025.
- 2) To achieve \$5Bn in defence exports by 2025.

Which of the above objectives are correct?

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

Ans) c

Explanation

The DPEPP set the following targets

Achieve a defence production turnover of \$25 Bn by 2025.

The above to include \$5Bn or 35,000 Crs. in defence exports by 2025.

Q.4) Which of the following statements is/are correct regarding Swachh Sagar, Surakshit Sagar campaign?

- 1) It will be the cleanliness campaign along India’s entire coastline.
- 2) It will celebrate International Coastal Cleanup Day.

Answer using the codes given below

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

Ans) c

Statement 1 is correct. This year on 17th September 2022, the Government of India along with other voluntary organizations, and the local society will run a cleanliness campaign "Swachh Sagar, Surakshit Sagar" along India’s entire coastline.

Statement 2 is correct. Globally, "International Coastal Clean-up Day" is celebrated on the third Saturday of September, every year. Swachh Sagar, Surakshit Sagar campaign will celebrate International Coastal Cleanup Day.

Q.5) Which of the statements given above is/are correct?

- 1) Climatic conditions of India are most suitable for the storage of medicines.
- 2) Schedule H drugs purchase require mandatory doctor’s prescription.
- 3) The law regulating Drugs and Cosmetics in India, at present, was enacted before independence.

Answer using the codes given below

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

Ans) c

Statement 1 is incorrect. Climatic conditions require medicines to be stored at below 30 degrees Celsius and 70 per cent relative humidity — it is unattainable in most of India.

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Statement 2 is correct. There are presently over 540 Schedule H drugs that require a doctor's prescription and the fact that they can be easily accessed over-the-counter is well known.

Statement 3 is correct. Drugs and cosmetics in India are governed by 1940 Drugs and Cosmetics Act.

Q.6) Which of the following action/s can be considered a part of the “fiscal stimulus” package?

1. Increasing government spending
2. Reducing tax rates
3. Discontinuing subsidies after economic recession.

Select the correct answer using the codes given below;

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

Answer: B

Increasing government spending and Reducing tax rates are done to encourage and support economic growth. Hence, these are considered as a form of fiscal stimulus.

Discontinuing subsidies after economic recession is a step towards fiscal consolidation rather than fiscal stimulus.

Source: [The Hindu](#)

Q.7) With reference to Cryptojacking, consider the following statements;

1. It is a cyber-attack wherein a computing device is hijacked.
2. Cryptojackers demand victim's crypto assets.
3. It is hard to detect and the victims of these attacks mostly remain unaware that their systems have been compromised.

Which of the statements given above is/are correct?

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

Answer: C

Statement 1 is correct: It is a cyber attack wherein a computing device is hijacked and its resources are used to illicitly mine cryptocurrency.

Statement 2 is incorrect: Cryptojackers co-opt devices, servers and cloud infrastructure, and use their resources for mining. The use of 'stolen' or cryptojacked resources is used only to reduce the cost involved in mining.

Statement 3 is correct: Cryptojacking is hard to detect and the victims of these attacks mostly remain unaware that their systems have been compromised. Some telltale signs are the device slowing down, heating up or the battery getting drained faster than usual.

Source: [Indian Express](#)

Q.8) With reference to Prevention of Money Laundering Act, consider the following statements;

1. Enforcement Directorate could arrest a person even without informing him of the charges.
2. The Act was enacted in response to India's global commitment under the Vienna Convention.

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

Statement 1 is correct: Enforcement Directorate could arrest a person even without informing him of the charges.

Statement 2 is correct: The Act was enacted in response to India's global commitment under the Vienna Convention. The primary purpose of the Act was to combat money laundering in India.

Source: [TOI](#)

Q.9) With reference to Delimitation, consider the following statements;

1. Delimitation commission orders have the force of law and they cannot be challenged before any court.
2. The Delimitation Commission is appointed by the Election Commission of India.

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: Delimitation commission orders have the force of law and they cannot be challenged before any court.

Statement 2 is incorrect: The Delimitation Commission is appointed by the President of India and works in collaboration with the Election Commission of India.

Source: [Business Standard](#)

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Q.10) With reference to Light-mantled Albatross, consider the following statements;

1. These are species native to the Antarctic seas and found only in Antarctica.
2. These Albatross has a broad pelagic habits and maintains a circumpolar distribution in the Southern Ocean.

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: B

Statement 1 is incorrect: Recently Light-mantled Albatross, a species native to the Antarctic seas, was recorded in Tamil Nadu. This is the first time that the bird – a native of Antarctica -- was being spotted in the Asian continent.

Statement 2 is correct: The Light-mantled Albatross, with broad pelagic habits, maintains a circumpolar distribution in the Southern Ocean.

Source: [The Hindu](#)

PRELIMS

Q.1) Consider the following statements

- 1) India's gross expenditure on R&D (GERD) is more than 1%
- 2) Karnataka tops NITI Aayog's **India Innovation Index 2021**.

Select the correct answer using the codes given below

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

Ans) b

Statement 1 is incorrect. India's gross expenditure on R&D (GERD) as a percentage of GDP has been consistent and hovered around 0.7% for about a decade.

Statement 2 is correct. Karnataka topped the India Innovation Index followed by **Telangana and Haryana**.

[Base Article](#)

Q.2) Which of the following statements is/are correct regarding Directorate General of Civil Aviation?

- 1) Air Traffic coming into India is not responsibility of DGCA, it is just responsible for regulation of air transport services within India and going from India.
- 2) It co-ordinates all regulatory functions with International Civil Aviation Organisation.

Answer using the codes given below

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

Ans) b

Statement 1 is incorrect. It is responsible for regulation of air transport services to/from/within India and for enforcement of civil air regulations, air safety, and airworthiness standards.

Statement 2 is correct. DGCA co-ordinates all regulatory functions with International Civil Aviation Organisation.

[Base Article](#)

Q.3) Consider the following statements regarding UNCTAD World Investment Report (WIR) 2022

- 1) Overall, India's FDI inflow has increased compared to 2020-21.
- 2) Automobile Industry has received the highest percentage of FDI among all industries.
- 3) Government approval or security clearance from MHA is required for investments from Bangladesh.

Which of the statements given above is/are correct?

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

Ans) b

Statement 1 is correct. Despite the ongoing pandemic and global developments, India received the highest annual FDI inflows of USD 84,835 million in FY 21-22 overtaking last year's FDI by USD 2.87 billion. Earlier, FDI inflows increased from USD 74,391 million in FY 19-20 to USD 81,973 million in FY 20-21.

Statement 2 is incorrect. Top 5 sectors receiving highest FDI Equity Inflow during FY 2021-22 are Computer Software & Hardware (24.60%), Services Sector (Fin., Banking, Insurance, Non Fin/Business, Outsourcing, R&D, Courier, Tech. Testing and Analysis, Other) (12.13%), Automobile Industry (11.89%), Trading 7.72% and Construction (Infrastructure) Activities (5.52%).

Statement 3 is correct. Prior government approval or security clearance from MHA is required for investments in sensitive sectors such as defence, media, telecommunication, satellites, private security agencies, civil aviation and mining, besides any investment from Pakistan and Bangladesh.

Q.4) Consider the following statements

- 1) Black tigers are only found in Odisha's Simlipal.
- 2) The fencing of tiger reserves can lead to their extinction.

Select the correct answer using the codes given below

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

Ans) c

Statement 1 is correct. Tigers have a distinctive dark stripe pattern on a light background of white or golden. A rare pattern variant, distinguished by stripes that are broadened and fused together, is also observed in both wild and captive populations. This is known as pseudo-melanism, which is different from true melanism, a condition characterised by unusually high deposition of melanin, a dark pigment.

Statement 2 is correct. fencing tiger reserves and isolating them can result in high extinction. It is because the population of tigers cannot move and increase their population. Decades of research in ecology and evolution suggest that numbers are critical to avoid extinction. Populations that are smaller than 100 breeding individuals have a high probability of extinction

[Base article](#)

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Q.6) With reference to the suspension of MPs, consider the following statements;

1. In Lok Sabha, the House must move a motion to suspend the MP until the end of the session.
2. In Rajya Sabha, the Chairmen can “name” an MP, who shall then automatically stand suspended for five days or the remaining part of the session.

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 the statements are incorrect. The statements are interchanged.

The presiding officers can direct an MP to withdraw from the House for any disorderly conduct. If the MP continues disrupting the House, the presiding officer can “name” the legislator. After that, the House can move a motion to suspend the MP until the end of the session. These powers are common to the presiding officers of both Houses.

However, in 2001, Lok Sabha changed its rules to give the Speaker more powers. As per this new rule, the Speaker can “name” an MP, who shall then automatically stand suspended for five days or the remaining part of the session. This rule removes the need for the House to pass a motion for suspension.

Rajya Sabha has not incorporated this provision in its procedures.

Source: [Indian Express](#)

Q.7) Which of the following statements clearly describes the term “Genetic drift”?

- a) Complete change in the genome of an organism due to excessive out breeding.
- b) Small populations of the same species lose their advantageous genetic variants and get detrimental genetic variants very often.
- c) A drastic reduction in genetic diversity of various species in eco system due to cross breeding.
- d) A drift in genetic diversity of various species in environment due to climate change.

Answer: B

Small populations are subject to chance/random events. These chance events may cause them to lose advantageous genetic variants. Further, other detrimental genetic variants might increase in frequency. This process is called genetic drift.

Source: [The Hindu](#)

Q.8) Which of the following Act/s does Enforcement Directorate has been given the task of enforce?

1. The Foreign Exchange Management Act, 1999
2. The Fugitive Economic Offenders Act, 2018
3. The Prevention of Money Laundering Act, 2002

Select the correct answer using the codes given below;

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

Answer: C

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ED has been given the task of enforcing the provisions of two special fiscal laws

- Foreign Exchange Management Act, 1999 (FEMA).
- The Prevention of Money Laundering Act, 2002 (PMLA).

Source: [Indian Express](#)

Q.9) With reference to Family courts, consider the following statements;

1. The setting up of family courts and their functioning comes under the purview of the State governments in consultation with their respective high courts.
2. These courts are governed under the state legislation.

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 setting up of family courts and their functioning comes under the purview of the State governments in consultation with their respective high courts.

Statement 2 is incorrect: Family Courts Act, 1984 enacted by the Centre governs the family courts. Recently, the Lok Sabha has passed the Family Courts (Amendment) Bill, 2022 to establish family courts in Himachal Pradesh and in Nagaland.

Source: [Indian Express](#)

Q.10) With reference to Samudrayaan Mission, consider the following statements;

1. The project proposes to send a submersible vehicle with robots to a depth of about 1000 meters.
2. The project is being undertaken by the National Institute of Ocean Technology.

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: B

Statement 1 is incorrect: The project proposes to send a submersible vehicle with three persons to a depth of about 6000 metres to carry out deep underwater studies

Statement 2 is correct: The project is being undertaken by National Institute of Ocean Technology.

Source: [PIB](#)

10 PM Compilation for the Month of July, (Fourth Week) 2022

Q.1) Consider the following statements

- 1) India is not among top 3 world's largest country in terms of coal deposits.
- 2) Commercial coal mining to a private player is permitted in India.
- 3) Peat type of coal is the first stage of transformation from wood to coal.

Which of the statements given above is/are correct?

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

Ans) d

Statement 1 is correct. India has the fifth-largest proven coal reserves in the world, **totalling around 106 billion tonnes in 2019** – just under 10% of the global total. Jharkhand, Odisha and Chhattisgarh in the east of the country are the states containing the largest coal deposits. Statement 2 is correct. The sector has been opened up for commercial coal mining by private players in 2020 and first ever successful auction of commercial mining was concluded with allocation of 19 coal mines in 2020.

Statement 3 is correct. **Peat** has less than 40 per cent carbon content. It is in the first stage of transformation from wood to coal. It has low calorific value and burns like wood.

Q.2) Which of the following statements is/are correct regarding bio-decomposers?

1. Bio-decomposers contain strains of decomposing Bacteria and Fungus.
2. It requires absence of moisture and good sunlight to get activated.

Answer using the codes given below:

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neother 1 nor 2

Ans) a

Statement 1 is correct. Bio-decomposers contain strains of decomposing Bacteria and Fungus. Dormant form of decomposing Bacteria and cell mass of Fungal spore, accelerate the process of decomposition under aerobic and anaerobic condition.

Statement 2 is incorrect. Since it is a biological material, there shouldn't be any exposure to sunlight, and the moisture content should be adequate, for it to work.

Q.3) Which of the following statements is/are correct?

- 1) With James Webb Space Telescope (JWST), galaxies from the past can be seen.
- 2) We see the Sun's image with the lag of 8.3 minutes.

Answer using the codes given below:

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

Ans) c

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Statement 1 and 2 are correct. Light can take time to reach us as per the distance it has covered before reaching us. Thus, we see the object as it was when it emitted that light. For example, Sunlight takes 8.3 minutes to reach earth. Thus, we see the sun as it was 8.3 minutes ago.

Q.4) With regard to International Organisation for Migration, consider the following statements.

- 1) It promotes international cooperation on migration issues
- 2) The IOM Constitution recognizes the link between migration and economic, social and cultural development, as well as to the right of freedom of movement.

Select the correct answer using the codes given below

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

Ans) c

Statement 1 is correct. IOM works to help ensure the orderly and humane management of migration to promote international cooperation on migration issues, to assist in the search for practical solutions to migration problems and to provide humanitarian assistance to migrants in need, including refugees and internally displaced people.

Statement 2 is correct. The IOM Constitution recognizes the link between migration and economic, social and cultural development, as well as to the right of freedom of movement.

IOM works in the four broad areas of migration management:

- Migration and development
- Facilitating migration
- Regulating migration
- Forced migration.

Q.5) Consider the following statements

- 1) Varaha-1's functions will be restricted to the collection and pumping of nodules.
- 2) blue economy is one of the ten core dimensions for national growth

Select the correct answer using the codes given below:

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

Ans) c

Statement 1 is correct. Varaha-1 is a self-propelled seabed mining machine for the collection of polymetallic nodules (PMN). Unlike Matsya 6000, this one will not have any passengers. Its work is restricted to the collection and pumping of nodules, steadily and continuously over prolonged durations, in the deep-sea conditions up to 6,000m.

Statement 2 is correct. The Government of India's Vision of New India by 2030 enunciated in February 2019 highlighted the Blue Economy as one of the ten core dimensions of growth.

Q.6) Which of the following benefit/s can occur if the Parliament increased House sitting time?

1. Lead to healthy functioning of the house
2. Increase the cases of guillotine closure
3. Increase in private members' bills

Select the correct answer using the codes given below;

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

Answer: C

Statement 1 is correct: Increased sitting in Houses (State or Parliament) would provide more time to the members for discussion on the bills, have a healthy debate. This will eventually lead to healthy functioning of the house.

Statement 2 is incorrect: Increased sittings would provide more time for the discussion and reduce the cases of guillotine closure.

Statement 3 is correct: Increased sittings would provide more time to the private members to not only prepare and present the bill in the house, but also have a detailed and healthy discussion for its passage.

Source: [The Hindu](#)

Q.7) With reference to Agriculture Census, consider the following statements;

1. The agriculture census is conducted every 10 years.
2. It is the main source of information on a variety of agricultural parameters at a relatively minute level.
3. The first census was carried out after the Green Revolution.

Which of the statements given above is/are correct?

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

Answer: B

The agriculture Census is conducted every 5 years.

Purpose: It is the main source of information on a variety of agricultural parameters at a relatively minute level, such as the number and area of operational holdings, their size, class-wise distribution, land use, tenancy and cropping pattern among others.

The first Agriculture Census was conducted in 1970-71. The Tenth Agriculture Census was conducted in 2015-16 and the 11th Census was delayed due to the corona pandemic.

Source: [PIB](#)

Q.8) Which of the following metal/s can be called bullion?

1. Gold
2. Platinum
3. Silver

Select the correct answer using the codes given below;

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

Answer: C

Bullion refers to physical gold and silver of high purity that is often kept in the form of bars, ingots, or coins. It can sometimes be considered legal tender and is often held as reserves by central banks or held by institutional investors.

Source: [The Hindu](#)

Q.9) With reference to Spinal Muscular Atrophy, consider the following statements;

1. The person suffering from this disease cannot control the movement of their muscles.
2. It was caused by Varicella zoster virus.

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: Spinal muscular atrophy is a rare genetic disease. The person suffering from this disease cannot control the movement of their muscles.

Statement 2 is incorrect: It is caused by the loss of nerve cells that carry electrical signals from the brain to the muscles. The protein needed for this signaling is coded by a gene. Everyone has two copies of this gene- one from the mother and the other from the father. A child develops this disorder only if both the copies are faulty.

Note: Varicella zoster virus causes shingles and chickenpox.

Source: [PIB](#)

Q.10) With reference to Nowcasting, consider the following statements;

1. It is a technique used to cast any event live without any delay.
2. In this method, radar and satellite observations are processed and displayed rapidly by computers.

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: B

Statement 1 is incorrect: Nowcasting is weather forecasting on a very short term e.g. 2 hrs.

Statement 2 is correct: In this method, radar and satellite observations of local atmospheric conditions are processed and displayed rapidly by computers to project weather several hours in advance.

Source: [PIB](#)