

10 PM Current Affairs Quiz Compilation

6 Dec to 11 Dec, 2021

*THIS IS A MONTHLY DOCUMENT CONTAINING ALL MCQS ASKED IN 10 PM
CURRENT AFFAIRS QUIZ BY FORUMIAS.*

SCIENCE AND TECHNOLOGY

Q.1) With reference to NASA's Laser Communications Relay Demonstration (LCRD), consider the following statements:

1. The payload for LCRD is hosted onboard a satellite in a geosynchronous orbit.
2. A laser uses infrared light and has a shorter wavelength than radio waves.

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

Correct Answer: C

Explanation

Both statements are correct.

- LCRD is NASA's first-ever laser communications system.
- **Purpose:** It has been launched to help demonstrate the benefits of space-to-ground laser communications also called optical communications.
- **Orbit:** The LCRD payload is hosted onboard the US Department of Defense's Space Test Program Satellite 6 (STPSat-6). It will be in a geosynchronous orbit over 35,000 km above Earth.
- Laser communications and radio waves use different wavelengths of light. The laser uses infrared light and has a shorter wavelength than radio waves. This will help the transmission of more data in a short time.

Source: [Article](#)

Q.2) With reference to Gaganyaan mission, consider the following statements:

1. GSLV Mk III would be the launch vehicle used in this mission.
2. Vyommitra a space rover has been developed to accompany the Gaganyaan crew.

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

Correct Answer: A

Explanation:

- **Statement 1 is correct:** GSLV Mk III will be the launch vehicle used for this mission.
- **Statement 2 is incorrect:** Vyommitra is a spacefaring human robot, not a rover.

Source: [Article](#)

Q.3) Taenia solium sometimes seen in news is a?

- a) Worm
- b) Spider
- c) Algae
- d) Frog

Correct Answer: A

Explanation

- It is the pork tapeworm.

Source: [Article](#)

Q.4) With reference to Natural Gas, consider the following statements:

1. The largest component of natural gas is methane.
2. The volume of natural gas in its liquid state is smaller than its volume in its gaseous state.

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

Correct Answer: C

Explanation

Both statements are correct.

- **Statement 1 is correct:** Natural gas is a fossil energy source that formed deep beneath the earth's surface. Natural gas contains different compounds. The largest component of natural gas is **methane**, a compound with one carbon atom and four hydrogen atoms (CH₄)
- **Statement 2 is correct:** The volume of natural gas in its liquid state is about 600 times smaller than its volume in its gaseous state. This process makes it possible to transport natural gas to places where pipelines do not reach.

Source: [Article](#)

Q.5) With reference to World Wide Web, consider the following statements:

1. Web 1.0 enabled users to participate in content creation on social networks, blogs, sharing sites and more.
2. Web 2.0 is known as read-write web and used on-premise/cloud storage systems.

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

Correct Answer: B

Explanation

Statement 1 is incorrect: Web 1.0 is regarded as the first generation of the World Wide Web. Also known as the Syntactic web or Read only web. Mostly, Web 1.0 was limited to searching the info and reading what's already there. There was very little in the way of user interaction or content contribution.

Statement 2 is correct.

Source: [Web 3.0: The future of internet? – Explained, pointwise](#)

Q.6) S-400 missile system, is related to which of the following country:

- a) USA
- b) Russia
- c) Israel
- d) China

Correct Answer B

Explanation

Statement b is correct: S-400 Triumf Missile System is a mobile, surface-to-air missile system (SAM) developed by Russia. It can detect, track and destroy hostile strategic bombers, jets spy planes, missiles and drones at a range of 380-km.

Source: [Indian Express](#)

Q.7) With reference to Nuclear Fusion, consider the following statements:

- 1. It powers our Sun.
- 2. Fusion process causes no poisonous radiation.

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

Correct Answer: C

Both statements are correct.

- Nuclear *Fusion* reactions power *the Sun* and other stars. In a *fusion* reaction, two light nuclei merge to form a single heavier nucleus.
- Nuclear fusion is a potentially *inexhaustible* source, and it has no dangerous side effects.
- Fusion causes no poisonous radiation. There are no emissions of carbon compounds, or any other pollutants.

Source: [Article](#)

Q.8) Mi-17V5 was sometime seen in news. It is related to which of the following?

- a) Indigenous cruise missiles
- b) New space project of ISRO
- c) Russian-made helicopters
- d) New Chinese attack submarines

Correct Answer: C

Explanation

Mi-17V5 is a Russian-made helicopter which is produced by Kazan Helicopters. It was inducted into the Indian Air Force on 17 February 2012.

It has a digital flight data recorder and a cockpit voice recorder onboard to monitor flight parameters and cockpit conversations respectively. The helicopter also has the capability to land on unprepared sites at night and in adverse weather conditions.

Apart from India, this helicopter is also used by the air forces of nearly 60 countries, including Russia and Iraq, and is also part of the erstwhile Afghan Air Force.

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Source: [Explained: The helicopter CDS General Bipin Rawat was in](#)

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

1. It is a solid, inflammable substance produced in the digestive system of all whales.
2. It is used to produce perfumes and traditional medicines.

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

Correct Answer: B

Explanation:

Statement 1 is incorrect: Ambergris is a solid, waxy, flammable substance of a dull grey or blackish colour produced in the digestive system of sperm whales.

Statement 2 is correct.

Source: [Explained: What is ambergris, the floating gold?](#)

Q.10) With reference to **Web 3.0**, consider the following statements:

1. It is the next version of the internet, where services will run on blockchain.
2. The Web 3.0 is also called as Metaverse.

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

Correct Answer: A

Explanation

Statement 1 is correct.

Statement 2 is incorrect: Both are not correlated. The metaverse is about creating digital avatars and interacting with others in virtual spaces, be it offices or arcades. It does not have to be on a blockchain.

Source: [Web 3.0: The future of internet? – Explained, pointwise](#)

Q.11) Which of the following is **India's first private Cryogenic Engine**?

- a) Aryabhata
- b) Kalam
- c) Dhawan-1
- d) Rohini

Correct Answer: C

Explanation:

Skyroot Aerospace, a Hyderabad-based space technology startup, has successfully test-fired the Dhawan-1 engine and is planning to launch Vikram-1 and Vikram-2 launch vehicles in a few years.

Dhawan-1 is India's first privately developed, fully cryogenic rocket engine. It runs on two high-performance rocket propellants — liquid natural gas (LNG) and liquid oxygen (LoX).

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The engine was developed using 3D printing with a superalloy.

Source: [India's First private Cryogenic Engine – Hyderabad-based rocket men aim for the stars](#)

Q.12) With reference to **Laser Communications Relay Demonstration (LCRD)**, consider the following.

1. It is the first-ever laser communications system of ISRO.
2. LCRD aims to speeding up space communications.

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

Correct Answer: B

Explanation

Statement 1 is incorrect: . LCRD is the first-ever laser communications system of NASA. It will help NASA in test optical communication in space.

Statement 2 is correct.

Source: [Indian Express](#)

Q.13) With reference to **Trans Fat**, consider the following statements:

1. These are unsaturated type of fats produced only through artificial ways.
2. India aimed to eliminate trans-fat in foods by 2022.
3. The risk of type 2 diabetes increases with trans fat consumption.

Which of the statements given above is/are correct?

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

Correct Answer: B

Explanation

Statement 1 is incorrect: Trans fat can occur both naturally and artificially.

Naturally-occurring trans fats are produced in the gut of some animals and foods made from these animals (e.g., milk and meat products) may contain small quantities of these fats.

Artificial trans fats are created in an industrial process that adds hydrogen to liquid vegetable oils to make them more solid.

Statement 2 is incorrect: India adopted no such targets. Countries such as Bangladesh, India, the Philippines and Ukraine are adopting best-practices to eliminate trans fat.

Statement 3 is correct.

Source: [Poor nations lag in removing unhealthy trans fat from food – WHO report](#)

POLITY - CENTER-STATE RELATIONS AND EMERGENCY PROVISIONS - CENTRE-STATE RELATIONS

Q.1) With reference to Armed Forces Special Powers Act (AFSPA), consider the following statements:

1. It was promulgated by the British in response to the Non-cooperation movement.
2. Only the Central government has the authority to impose the act in a state or parts of the state.
3. Armed forces can act independent of the district administration under the powers given by the act.

Which of the statements given above is/are incorrect?

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

Correct Answer: D

Explanation:

All statements are incorrect.

- **Statement 1 is incorrect:** AFSPA was originally promulgated by the British in response to the Quit India movement in 1942. After Independence, India decided to retain the Act, which was first brought in as an ordinance and then notified as an Act in 1958.
- **Statement 2 is incorrect:** AFSPA can be imposed by the Center or the Governor of a state on the state or parts of it after it is declared “**disturbed**” under **Section 3 of AFSPA Act**.
- **Statement 3 is incorrect:** Armed forces must act in cooperation with the district administration and not as an independent body.

Sources: [Article](#)

Q.2) With reference to Suspension of MPs, consider the following statements:

1. The power to suspend an MP is vested in the chairman.
2. The maximum period of suspension is for the remainder 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

Correct Answer B

Explanation

Statement 1 is incorrect: the power to suspend an MP is vested in the house, not the chairman. The chairman only names the member, while the Parliamentary Affairs minister or any other minister moves the motion for suspending the member.

Statement 2 is correct: The maximum period of suspension is for the remainder of the session. Suspended members cannot enter the chamber or attend the meetings of the committees. He will not be eligible to give notice for discussion or submission. He loses the right to get a reply to his questions

Q.3) Article 370 of the Indian Constitution, is related to which of the following:

- a) It provides special status to Jammu and Kashmir.
- b) Temporary power to Parliament to make laws with respect to certain matters in the State List.
- c) Power of Parliament to amend the Constitution and procedure
- d) Imposition of President Rule on any state of India on the grounds of the failure of the constitutional machinery.

Correct Answer A

Explanation:

Statement a is correct: Article 370 was included in the Indian Constitution on October 17, 1949, as a '**temporary provision**', which exempts Jammu and Kashmir from the Indian Constitution.

Source: [Article](#)

Q.4) Article 356 of the Indian constitution, is related to which of the following:

- a) President's Rule can be imposed on any state of India on the grounds of the failure of the constitutional machinery.
- b) Suspension of Fundamental rights under Article 19.
- c) President to specify castes, races or tribes that will be classified as 'Scheduled Castes' under the Constitution.
- d) Reservation of seats for the Scheduled Castes and the Scheduled Tribes in the Legislative Assemblies of the States.

Correct Answer A

Explanation:

Statement a is correct: According to **Article 356, President's Rule** can be imposed on any state of India on the grounds of the failure of the constitutional machinery. This is of two types:

3. If the President receives a report from the state's Governor or otherwise is convinced or satisfied that the state's situation is such that the state government cannot carry on the governance according to the provisions of the Constitution.

4. Article 365: As per this Article, President's Rule can be imposed if any state fails to comply with all directions given by the Union on matters it is empowered to.

In simple words, President's Rule is when the state government is suspended and the central government directly administers the state through the office of the governor (centrally appointed).

Source: [The Hindu](#)

Q.5) Right to Life and Personal Liberty, is enshrined in which of the following article:

- a) Article 21
- b) Article 22
- c) Article 14
- d) Article 19

Correct Answer A

Explanation:

Statement a is correct: Article 21 states “no person shall be deprived of his life or personal liberty except according to a procedure established by law”

Source: [Delhi Pollution-Looking at social, political facets of climate crisis can help in better adaptation](#)

ForumIAS

SCHEMES AND PROGRAMS – PROGRAMS - WOMEN

Q.1) She is a changemaker programme has been launched by which of the following?

- a) NITI Aayog
- b) National Commission for Women
- c) Association for Women's Rights in Development
- d) National federation of Indian Women

Correct Answer: B

Explanation:

- National Commission for Women (NCW) has launched a pan-India capacity building programme named 'She is a Changemaker'.

Source: [Article](#)

Q.2) With reference to **Beti Bachao Beti Padhao Scheme, consider the following statements:**

1. The scheme aims to bring behavioural change in the society towards birth and rights of a girl child.
2. The scheme is implemented by the Ministry of Women and Child Development.

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

Correct Answer: A

Explanation:

Statement 1 is correct.

Statement 2 is incorrect: The scheme is being implemented by a coordinated effort by the Ministry of WCD, Ministry of Health and Family Welfare and Ministry of HRD.

Source: [Panel flags poor fund utilisation in Beti Bachao, Beti Padhao Scheme](#)

Q.3) 'We Think Digital' Programme was launched by which of the following organisation?

- a) Google
- b) Ministry of Electronics and Information Technology
- c) Facebook
- d) Ministry of Women and Child Development

Correct Answer: C

Explanation

'We Think Digital' Programme was launched by Facebook in partnership with the National Commission for Women (NCW) and Cyber Peace Foundation.

Under this, Facebook will provide digital literacy training to 1 lakh women across seven states (Uttar Pradesh, Assam, West Bengal, Madhya Pradesh, Gujarat, Jharkhand and Bihar).

Source: [NCW Launches Online Resource Center on Cyber Safety Under 'We Think Digital' Programme](#)

Q.4) Red Dot campaign was sometime seen in the news. The campaign is related to which of the following?

- a) Open Defecation Free cities
- b) Solid waste management
- c) Rain water harvesting
- d) Road traffic regulation

Correct Answer: B

Explanation

Pune introduced the Red Dot campaign to manage sanitary waste. It is a one-of-its-kind initiative where citizens, workers and administration unanimously accepted their responsibility, making it a lesson for other cities in India. This was achieved through a well-planned mechanism of collection, channelisation and disposal.

Source: [NITI Aayog and CSE release 'Waste-wise cities' – compendium of best practices in municipal solid waste management](#)

Q.5) With reference to Pradhan Mantri Awaas Yojana-Gramin, consider the following statements:

- 1. It aims to provide a pucca house with basic amenities to all rural families, who are homeless or living in kutcha house.
- 2. Beneficiaries will be identified by 3 stage validation process Socio-Economic Caste Census 2011, Gram Sabha, and geo-tagging.

Which of the statements given above is/are incorrect?

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

Correct Answer: D

Explanation

Both the statements are correct.

Source: [PIB](#)

Q.6) With reference to Pragati Scholarship Scheme, consider the following statements:

- 1. The scheme aims to provide assistance for the advancement of girls pursuing Technical Education alone.
- 2. The scheme was launched by NITI Aayog.

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

Correct Answer: A

Explanation

- **Statement 1 is correct.**
- **Statement 2 is incorrect:** The scheme was launched by All India Council for Technical Education (AICTE).

Source: [Scholarship scheme under AICTE to encourage girls students to pursue Technical Education](#)

Q.7) With reference to **Atal Innovation Mission**, consider the following statements:

1. It aims to promote the culture of innovation and entrepreneurship in the country.
2. This mission was launched by Ministry of Science and 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

Correct Answer A

Explanation

Statement 1 is correct: Atal Innovation Mission is a flagship initiative launched to promote the culture of innovation and entrepreneurship in the country.

Statement 2 is incorrect: It was launched by NITI Aayog.

Source: [PIB](#)

Q.8) With reference to **Project Re-Hab**, consider the following statements:

1. It is intended to create bee fences to reduce elephant attacks in human habitations using honeybees
2. This mission is launched by Khadi and Village Industries Commission (KVIC)

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

Correct Answer: C

Explanation

Both the statements are correct.

Project RE-HAB is a sub-mission of KVIC's **National Honey Mission**. Under this Project, "Bee-fences" are created by setting up bee boxes in the passageways of elephants to block their entrance to human territories.

Khadi and Village Industries Commission (KVIC) has launched Project RE-HAB (Reducing Elephant-Human Attacks using Bees) in Assam.

Source: [Article](#)

INTERNATIONAL RELATIONS

Q.1) With reference to Organization for Security and Co-operation in Europe (OSCE), consider the following statements:

1. It is the world's largest regional security organization.
2. Its participating states includes only European countries.

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

Correct Answer: A

Explanation

- **Statement 1 is correct**
- **Statement 2 is incorrect:** The participating States are from North America, Europe and Asia.

Source: [Article](#)

Q.2) With reference to Minsk Agreements, consider the following statements:

1. These agreements were signed to stop the ongoing conflict between pro-Russian separatists and the Ukraine administration in the Donbas region.
2. The US mediated all the Minsk Agreements.

Which of the statements given above is/are incorrect?

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

Correct Answer: B

Explanation

Statement 1 is correct.

Statement 2 is incorrect: US never mediated these agreements.

Source: [Explained: What are the Minsk agreements on the Ukraine conflict?](#)

Q.3) Ekuverin is a joint military exercise between India and which other country?

- a) Maldives
- b) Thailand
- c) Indonesia
- d) Brunei

Correct Answer: A

Explanation

- *Ekuverin* is a joint military exercise held between India and Maldives. It is held between the armies of India and Maldives.

Source: [PIB](#)

Q.4) World Inequality Report is released by?

- a) World Inequality Lab
- b) Global Inequality Research Initiative
- c) International Inequalities Institute
- d) Digital Inequality Group

Correct Answer: A

Explanation

- World Inequality Report is released by the World Inequality lab

Source: [DTE](#)

Q.5) Which of the following countries are a part of PANEX 21?

- 1. Bhutan
- 2. Nepal
- 3. Thailand

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

Correct Answer: D

Explanation

- The Indian Army is organising a Humanitarian Assistance and Disaster Relief exercise with a special focus on relief in the backdrop of the Covid-19 pandemic. The exercise has been called PANEX 21 and will involve Bangladesh, Bhutan, Nepal, Sri Lanka, Myanmar, Thailand and India—BIMSTEC countries.

Source: [Article](#)

Economy

Q.1) With reference to **Ken-Betwa Link Project**, consider the following statements:

1. This project will spread across the districts of Madhya Pradesh, Uttar Pradesh and Bihar.
2. Both the Ken and Betwa river are tributaries of the river Yamuna.

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

Correct Answer: B

Explanation

Statement 1 is incorrect: This project will spread across the districts of Madhya Pradesh and Uttar Pradesh.

Statement 2 is correct.

Source: [PIB](#)

Q.2) With reference to **Directorate of Revenue Intelligence (DRI)**, consider the following statements:

1. It has been designated as the lead agency for the Anti-Smuggling National Coordination Centre.
2. It works under Ministry of Home Affairs.
3. Operation Clean Art was conducted by the DRI.

Which of the statements given above/are correct?

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

Correct Answer: A

Explanation

- **Statement 1 is correct**
- **Statement 2 is incorrect:** It works under the Central Board of Indirect Taxes & Customs (CBIC), Ministry of Finance.
- **Statement 3 is incorrect:** Operation Clean Art was conducted by Wildlife Crime Control Bureau (WCCB). DRI recently conducted Operation Molten metal to nab several Indian and foreign nationals suspected to be indulging in **smuggling gold** into India from Hong Kong using the air cargo route.

Source: [Article](#)

Q.3) With reference to **Wage Rate Index**, consider the following statements:

1. The base year for the index is 2010.
2. Index is released by the Labour bureau.

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

Correct Answer: B

Explanation

- **Statement 1 is incorrect:** The base year has been changed from 1963-65 to 2016.
- **Statement 2 is correct:** Index is released by Labour Bureau, an attached office of the Ministry of Labour & Employment.

Source: [Article](#)

Q.4) Which of the following statements correctly defines the term **Import Parity price** -

- a) A method adopted by OPEC member countries to provide incentive to Asian Nations heavily dependent on oil imports.
- b) A Method Suggested by NITI Aayog to calculate Central issue price which takes into account the operational costs incurred by FCI.
- c) A measure of how Natural gas prices are calculated in country.
- d) A term related to Pricing of LPG (Liquefied Petroleum Gas).

Answer- Option D

Explanation- **LPG pricing** in India is done on the basis of a formula — import parity price (IPP). The IPP is determined based on LPG prices in the international market, assuming that the fuel is imported into the country.

Q.5) With reference to Account Aggregator (AA) framework, consider the following statements:

- 1. An Account Aggregator will be a new class of Non-Banking Finance Company approved by RBI.
- 2. It will allow lenders to conduct a speedy assessment of the creditworthiness of the borrower.

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

Correct Answer: c

Explanation

Both statements are correct.

- An AA is a new class of NBFC approved by the Reserve Bank of India (RBI) to manage consent for financial data sharing of users. It will allow lenders to conduct an easy and speedy assessment of the creditworthiness of the borrower.

Source: [Article](#)

Q.6) With reference to **Merchant Discount Rate (MDR)**, consider the following statements:

- 1. It is the cost paid by a bank to merchant for accepting payment from their customers via digital means.
- 2. The government abolished the MDR on transactions on RuPay debit cards.

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

Correct Answer: B

Explanation

Statement 1 is incorrect: It is the cost paid by a merchant to a bank for accepting payment from their customers via digital means. The merchant discount rate is expressed in percentage of the transaction amount.

Statement 2 is correct. The government had abolished the merchant discount rate (MDR) on transactions using the RuPay debit card and the UPI from January 1, 2020.

Source: [Neo-socialism: State's expanding tech biz](#)

Government schemes and initiatives

Q.1) Jeevan Reddy Committee, is related to which of the following:

- a) To review the prevalent system of QR Codes in India for facilitating digital payments
- b) To address various risks that have been triggered by the Covid-19 pandemic
- c) Review the provisions of the AFSPA in the northeastern states
- d) To find the problems faced by the farmers in the recent farm bill.

Correct Answer C

Explanation

Statement c is correct: Justice BP Jeevan Reddy committee: In 2004, the Central government appointed a five-member committee headed by Justice BP Jeevan Reddy to review the provisions of the AFSPA in the northeastern states.

Source: [Indian Express](#)

Q.2) Global Health Security Index, is released by which of the following organization:

- a) World Bank
- b) International Labour Organization
- c) World Health Organization
- d) Nuclear Threat Initiative (NTI) and the Johns Hopkins Center for Health Security.

Correct Answer D

Explanation

Statement d is correct: The document is jointly released by non-profits Nuclear Threat Initiative (NTI) and the Johns Hopkins Center for Health Security.

Source: [DTE](#)

Q.3) With reference to Enforcement Directorate (ED), consider the following statements:

- 1. It is mandated with the task of enforcing the provisions of Foreign Exchange Management Act and Prevention of Money Laundering Act.
- 2. It is a statutory body.
- 3. Like CBI, Enforcement directorate can also register a case on its own.

Which of the statements given above is/are correct?

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

Correct Answer: A

Explanation

- **Statement 1 is correct**
- **Statement 2 is incorrect:** It is not a statutory body. It is an agency under Min of Finance.
- **Statement 3 is incorrect:** ED, unlike CBI, cannot register a case on its own. It is required by the agencies such as CBI or state police to register an offense based on which the ED Case Information Report is filed by Enforcement Directorate.

Source: [Article](#)

Geography

Q.1) With reference to **Western Ghats**, consider the following statements:

1. It is a UNESCO World Heritage site.
2. Western Ghats are also known as Anaimalai hills and Cardamom hills in Kerala

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

Correct Answer: C

Explanation

Both the statements are correct.

here are a few local names given to the Western Ghats:

- Sahyadri in Maharashtra
- Nilgiri hills in Karnataka and Tamil Nadu
- Anaimalai hills and Cardamom hills in Kerala

Source: [Article](#)

Q.2) With which of the following **Nagaland**, share its border with:

- a) Arunachal Pradesh, Myanmar and Tripura
- b) Meghalaya, Myanmar and Manipur
- c) Manipur, Assam and Arunachal Pradesh
- d) Mizoram, Manipur and Meghalaya

Correct Answer C

Explanation

Statement c is correct: It is one of the smaller states of India. Nagaland is bounded by the Indian states of **Arunachal Pradesh** to the northeast, **Manipur** to the south, and **Assam** to the west and northwest and the country of **Myanmar** (Burma) to the east.

Source: [TOI](#)

Q.3) **Mount Semeru** is located in which of the following country?

- a) Indonesia
- b) India
- c) The USA
- d) France

Correct Answer: A

Explanation:

Recently, Mount Semeru volcano of Indonesia erupted which killed at least 14 persons and left dozens injured.

Semeru, or Mount Semeru, is an active volcano in East Java, Indonesia. It is located in a subduction zone, where the Indo-Australia plate subducts under the Eurasia plate. It is the highest mountain on the island of Java.

This stratovolcano is also known as Mahameru, meaning "The Great Mountain" in Sanskrit.

Medieval History

Q.1) With reference to **Guru Teg Bahadur**, consider the following statements:

1. He was executed in Delhi under the orders of the Mughal Emperor Aurangzeb.
2. He led to the transformation of the Sikh Community into a Military community. He is known as "Soldier Saint".
3. He founded Anandpur Sahib.

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

Correct Answer: C

Explanation:

Statement 1 and 3 are correct.

Statement 2 is incorrect: Guru Hargobind led to the transformation of the Sikh Community into a Military community. He is known as "Soldier Saint".

Source: [PIB](#)

Environment- Biodiversity - Protected Species

Q.1) With reference to **Gangetic Dolphin**, consider the following:

1. It is protected under Schedule I of the Wildlife Protection Act.
2. It is listed as vulnerable in the IUCN protected 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

Correct Answer A

Explanation

Statement 2 is incorrect: Wildlife Protection Act: Gangetic Dolphin is protected under Schedule I of the Act. Further, Vikramshila Ganges Dolphin Sanctuary was established in Bihar under this Act.

- **Threats:** construction of dams and barrages, and increasing pollution
- **IUCN Red List:** Endangered
- **CITES:** Appendix I

Source: [Article](#)

Q.2) With reference to **Global Methane Initiative**, consider the following:

1. It is a partnership between governments of various countries.
2. The forum has been created to achieve global reduction in natural methane emission.

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

Correct Answer: D

Explanation

Statement 1 is incorrect: Global Methane Initiative (GMI) is a voluntary, international partnership that brings together national governments, private sector entities, development banks, NGOs and other interested stakeholders in a collaborative effort to reduce methane gas emissions and advance methane recovery and use as a clean energy source.

Statement 2 is incorrect: The forum has been created to achieve global reduction in anthropogenic methane emission.

Source: [PIB](#)

Q.3) With reference to **Compensatory Afforestation Fund (CAF)**, consider the following statements:

1. The CAF Act established a National CAF under the Public Account of India.
2. This Fund will be primarily spent on afforestation to compensate for the loss of forest cover, regeneration of forest ecosystem, wildlife protection and infrastructure development.

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

Correct Answer: C

Explanation

Both the statements are correct.

Source: [Afforestation funds released to States](#)

Q.4) Issi Saaneq sometimes seen in news is a species of?

- a) Dinosaur
- b) Spider
- c) Frog
- d) Butterfly

Correct Answer: A

Explanation

- The two-legged Issi saaneq dinosaur lived about 214 million years ago in what is now Greenland. It was a medium-sized, long necked herbivore and a predecessor of the sauropods, the largest land animals ever to live.

Source: [Indian Express](#)

Q.5) With reference to *Physella Acuta*, consider the following statements:

1. It is a highly invasive snail species.
2. It is found in all continents except Antarctica.

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

Correct Answer: c

Explanation

Both statements are correct.

- It is tiny snail with a striking, pellucid golden-yellow shell. It was recently found in the Edappally canal in Kochi and has been flagged as an invasive species that could play havoc with native ecosystems.
- First described by J.P.R. Draparnaud in 1805, *Physella acuta* is considered native to North America but is now found in all continents except Antarctica. The snail was first reported in India in the early 1990s. It is believed to have reached Kerala through the aquarium trade, a major vector for invasive species.

Source: [The Hindu](#)

Q.6) Project RE-HAB sometimes seen in news is associated with?

- a) Auto-detection of armed drones
- b) Creation of Bee fences
- c) Web 3.0 interface reassembling

d) Scanning of deforested areas

Correct Answer: B

Explanation

- Under Project RE-HAB, “Bee-fences” are created by setting up bee boxes in the passage ways of elephants to block their entrance to human territories. The boxes are connected with a string so that when elephants attempt to pass through, a tug or pull causes the bees to swarm the elephant herds and dissuade them from progressing further.
- It is a cost-effective way of reducing human-wild conflicts without causing any harm to the animals. It is scientifically recorded that elephants are annoyed by the honey bees. Elephants also fear that the bee swarms can bite their sensitive inner side of the trunk and eyes. The collective buzz of the bees is annoying to elephants that force them to return.

Source: [PIB](#)

Q.7) With reference to *Kyhytysuka sachicarum*, consider the following statements:

1. It is a marine reptile belonging to an important transitional time during the Early Cretaceous epoch.
2. Its name is based on an ancient Muisca culture in Columbia.

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

Correct Answer: C

Explanation

Both statements are correct.

- *Kyhytysuka sachicarum* reptile belongs to an important transitional time during the Early Cretaceous epoch, some 130 million years ago.
- At this time, the Earth was coming out of a relatively cool period, had rising sea levels, and the supercontinent Pangea (supercontinent that incorporated almost all the landmasses on Earth) was splitting into northern and southern landmasses.
- This reptile was named *Kyhytysuka* which translates to ‘the one that cuts with something sharp’ to honour the ancient Muisca culture in Columbia that existed there for millennia.

Source: [Article](#)

Q.8) Chocolate-bordered Flitter discovered recently belongs to which of the following species?

- a) Bird
- b) Butterfly
- c) Spider
- d) Lizard

Correct Answer: B

Explanation

- Chocolate-bordered Flitter (*Zographetus Dzonguensis*) is a golden yellow butterfly discovered in Dzongu in North Sikkim.

Source: [Article](#)

Q.9) With reference to Lesser Florican, consider the following:

1. It is also known as kharmore and is smallest in the bustard family.
2. It is listed as vulnerable in IUCN (International Union For Conservation of Nature) status.

Which of the statements given above is/are correct?

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

Correct Answer A

Explanation

Statement a is correct: The lesser florican (*Sypheotides indicus*), also known as the likh or kharmore, is the smallest in the bustard family

Statement b is incorrect: IUCN Status: Endangered
Wildlife Protection Act, 1972: Schedule I

CITES: Appendix II

Threats: The bird is threatened both by hunting and habitat degradation.

Source: [Article](#)

Q.10) FL-2027 or FC-5 sometimes seen in news is a?

- Commercial potato variety
- Blockchain based Encryption algorithm
- Cryogenic transportation container
- High yielding variety of rice

Correct Answer: A

Explanation

- The Protection of Plant Varieties and Farmers Rights (PPV&FR) Authority has revoked a PVP (Plant Variety Protection) certificate granted to PepsiCo India Holding (PIH) on a potato variety (FL-2027) on multiple grounds.

Source: [Article](#)

Modern History

Q.1) With reference to Paikas, consider the following statements:

1. They rendered martial services in return for hereditary nish-kar jagirs and titles.
2. During the Paika Rebellion, several Kondhs rose up in revolt against the British.

Which of the statements given above is/are incorrect?

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

Correct Answer: D

Explanation

Both statements are correct.

- The Paikas were a class of military retainers who had been recruited since the 16th century by kings in Odisha from a variety of social groups to render martial services in return for hereditary rent-free land (nish-kar jagirs) and titles.
- The Paik Rebellion was an armed rebellion against the British East India Company's rule in 1817.
- In 1817, several Kondhs descended from the Ghumusar area to rise in revolt against the British.
- Bakshi Jagabandhu, the hereditary chief of the militia army of the Gajapati King of Khurda led an army of Paikas to join the uprising of the Kondh.

Source: [Article](#)

ART AND CULTURE - FESTIVALS, DANCE AND OTHERS - FESTIVALS

Q.1) With reference to Aoling festival, consider the following statements:

1. It is a festival celebrated by Kondhs.
2. It marks the arrival of spring and prays for a good upcoming harvest.

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

Correct Answer: b

- **Statement 1 is incorrect:** it is celebrated by Konyak Naga tribe.
- **Statement 2 is correct:** It celebrates the arrival of spring and prays for a good upcoming harvest.

Source: [Article](#)

Q.2) With reference to Raigad Fort, consider the following statements:

1. The fort was known to early Europeans as the Gibraltar of the East.
2. Shivaji was coronated at Raigad by Gagabhatt where he took on the title of Chhatrapati.

Which of the statements given above is/are incorrect?

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

Correct Answer: D

Explanation

Both statements are correct.

- Raigad is a hill fort situated in the Raigad district in Maharashtra. The British Gazette states the fort was known to early Europeans as the **Gibraltar of the East**.
- Its decisive feature is a mile and a half flat top, which has adequate room for buildings. In its prime, the fort had 300 stone houses and a garrison of 2,000 men.
- The fort, which was earlier called Rairi, was the seat of the Maratha clan Shirke in the 12th century.
- The fort changed hands a number of times from the dynasty of Bahaminis to the Nizam Shahis and then the Adil Shahis.
- In 1656, Chhatrapati Shivaji captured it. The fort not only helped Shivaji challenge the supremacy of the Adil Shahi dynasty but also opened up the routes towards Konkan for the extension of his power.
- Raigad fort had emerged as the seat of Shivaji's government.
- Moreover, Shivaji was coronated at Raigad by Gagabhatt where he took on the title of Chhatrapati.

Source: [Article](#)

Q.3) With reference to **Hornbill Festival**, consider the following:

1. It is organized by the state government of Nagaland to promote tourism in the state.
2. The start of this festival also marks the Nagaland statehood day.

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

Correct Answer: C

Explanation

Both the statements are correct.

Statement c is correct: The Hornbill Festival, which is called the 'Festivals of Festivals', is a 10-day annual cultural fest of Nagaland that showcases the rich and diverse Naga ethnicity through folk dances, traditional music, local cuisine, handicraft, art workshops etc. The start of this festival (December 1) marks the Nagaland statehood day.

Every year the Hornbill festival is celebrated between December 1 and December 10 in the northeast region and in the state of Nagaland. The festival is named after the Indian Hornbill Bird. It is a large and colourful forest bird. The festival is named after the bird as it is displayed in folklore of most of the the tribals in the state of Nagaland.

Source: [TOI](#)