

10 PM Current Affairs Quiz Compilation

31st October to 5th November, 2022

PRELIMS

Q.1) With reference to UDAN scheme consider the following statements:

1. It aims at increasing the air-connectivity across the metro cities in India.
2. It aims at making air fare affordable.

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

Explanation –

UDAN scheme aims at increasing the air-connectivity of the non-metro cities (Tier-I and Tier-II) by making the airfare affordable. The scheme is being funded by both central and state government.

Source: [The Times of India](#)

Q.2) Consider the following statements:

1. OneWeb satellites operate in Low Earth orbit (LEO).
2. The orbital period of Geosynchronous satellites is shorter than the satellites operating in the Low Earth Orbit.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1: OneWeb satellites operate in Low Earth orbit (LEO). It is being launched by ISRO.
Statement 2: The statement is incorrect. The orbital period of Geosynchronous satellites is longer than the satellites operating in the Low Earth Orbit.

Source: [India Today](#)

Q.3) Consider the following statements:

1. India is the world's largest producer and consumer of sugar and second largest exporter of sugar.
2. Sugar beet and sugarcane has the highest percentage of sucrose of all the plants.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

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Statement 1: India is the world's largest producer and consumer of sugar and second largest exporter of sugar.

Statement 2: Sugar beet and sugarcane has the highest percentage of sucrose of all the plants.

Source: [Live Mint](#)

Q.4) Which of the following indicator is not used as indicator in calculating Global Hunger Index (GHI)?

- a) Undernourishment
- b) Child stunting
- c) Child mortality
- d) Maternal Mortality

Answer: D

Explanation –

Global Hunger Index (GHI) uses four indicators to calculate hunger – Undernourishment, Child stunting, Child mortality and child wasting.

Source: [The Indian Express](#)

Q.5) Which of the following personality is considered as Mughal Mirabai?

- a) Mah Chuchak Begum
- b) Maham Anaga
- c) Taj Bibi
- d) Aisan Daulat Begum

Answer: C

Taj Bibi, also known as the 'Mughal Mirabai' was the daughter of a Muslim nobleman named Padma Khan.

Taj Bibi was married to Emperor Akbar and was appointed by the Mughals to protect the Gokul area.

She wrote poetry during the Mughal time when the ruling class belonged to the Muslim religion.

Source: [Raskhan and Taj Bibi](#)

Q.6) Which of the following countries are part of IMT TRILAT (Trilateral maritime Exercise)?

- 1. India
- 2. Myanmar
- 3. Mozambique
- 4. Thailand

Select the correct answer from the codes given below;

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

Answer: C

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IMT TRILAT is a trilateral maritime exercise among the Indian, Mozambique and Tanzania navies.

The first edition of India-Mozambique-Tanzania Trilateral Exercise(IMT TRILAT) has started at Dar Es Salaam, Tanzania.

Source: [INDIAN NAVY PARTICIPATES IN MAIDEN TRILATERAL EXERCISE WITH MOZAMBIQUE AND TANZANIA](#)

Q.7) Which of the following is/are the correct about Red Mud?

1. It is the waste generated in the Bayer process of alumina production from bauxite.
2. Red Mud tiles can be used to build radiation shielding structures in diagnostic X-rays, CT scanner rooms.
3. Red Mud is not considered as a toxic and have no properties of leaching.

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

Answer: A

Statement 1 and 2 are correct: Red Mud is the waste generated in the Bayer process of alumina production from bauxite. It is also known as bauxite residue.

Red Mud is defined as a “High Volume Low Effect Waste”. Nearly 1 to 1.5 tonnes of RM is being generated while producing one tonne of alumina from the bauxite ore through the Bayer process.

These tiles can be used to build radiation shielding structures in diagnostic X-rays, CT scanner rooms, Cath labs, bone mineral density, dental X-rays, etc instead of the toxic lead sheet to protect the public from radiation hazards.

Statement 3 is incorrect: Red Mud is considered to be toxic due to its extreme alkalinity and heavy element leaching.

Source: [Advanced Materials and Processes Research Institute \(AMPRI\), Bhopal Converts Red Mud into X-ray shielding tiles](#)

Q.8) With reference to black magic, consider the following statements;

1. India has a centralised legislation to exclusively deal with crimes related to witchcraft, superstition or occult-inspired activities.
2. Bihar was the first State to enact a law to prevent witchcraft.

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: In India, there is no central law that exclusively deals with crimes related to witchcraft, superstition or occult-inspired activities.

In 2016, MP Raghav Lakhanpal introduced the Prevention of Witch-Hunting Bill in the Lok Sabha, but it wasn't passed.

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Statement 2 is correct: Bihar was the first State to enact a law to prevent witchcraft, identification of a woman as a witch and eliminate torture, humiliation and killing of women. Similarly, other states like Jharkhand, Chhattisgarh, Assam, Maharashtra and Karnataka have also passed the act.

Source: [Are there anti-superstition laws in India?](#)

Q.9) With reference to the benefits of Miyawaki Method, consider the following statements;

1. Miyawaki forests grow 10 times faster and become 30 times denser and 100 times more biodiverse than conventional methods.
2. The saplings of Miyawaki forests become self-sustainable after the first three years.

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

Faster Process and Dense Forest: This method creates mini forests. They grow 10 times faster and become 30 times denser and 100 times more biodiverse than those planted through conventional methods. **(Statement 1 is correct)**

- **Faster Regeneration of Land:** Miyawaki forests are designed to regenerate land in far less time. It takes over 70 years for a forest to recover on its own.
- **Self Sustainable:** The saplings become self-sustainable after the first three years. **(Statement 2 is correct).**
- **Environmental Benefits:** These mini forests help lower temperatures in concrete heat islands, reduce air and noise pollution, attract local birds and insects, and create carbon sinks.

Source: [PM dedicates Maze Garden and Miyawaki Forest in Ekta Nagar, Gujarat](#)

Q.10) Which of the following statement is not correct about the Kalanamak Rice?

- a) It is a traditional type of rice with a black husk and a powerful fragrance.
- b) This rice is rich in micronutrients such as iron and zinc and can help prevent Alzheimer's.
- c) The rice has been awarded the Geographical Indication(GI) tag in 2013.
- d) The rice is not prone to lodging and provide high yield compare to other traditional varieties.

Answer: D

Kalanamak has been prone to 'lodging' which is one of the reasons for its low yield.

Note: Lodging is a condition in which the top of the plant becomes heavy because of grain formation, the stem becomes weak, and the plant falls to the ground.

Source: [Kalanamak rice](#)

PRELIMS

Q.1) The Emission Gap Report is published by –

- a) United Nation Environment Programme
- b) Food and Agriculture Organisation
- c) World Health Organisation
- d) International Atomic Energy Agency

Answer: A

Emission Gap Report is published by United Nations Environment Programme (UNEP). Emission Gap Report 2022 has been released recently.

Source: [The Indian Express](#)

Q.2) Which of the following countries does not border the Black Sea?

- a) Ukraine
- b) Russia
- c) Turkey
- d) France

Answer: D

Explanation –

The Black Sea is located at the southeastern extremity of Europe. It is bordered by Ukraine to the north, Russia to the northeast, Georgia to the east, Turkey to the south, and Bulgaria and Romania to the west.

Source: [The Indian Express](#)

Q.3) With reference to Amur Falcon birds consider the following statements:

1. It is the longest flying migratory bird on earth.
2. They are Nearly Threatened in the IUCN Red Data List.

Select the correct statements using the codes given below:

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

Answer: A

Amur Falcon birds are the longest flying migratory bird on earth. They have been listed as Least Concern in IUCN Red Data List.

Source: [The Hindu](#)

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Q.4) Consider the following statements with respect to suspension bridge:

1. The deck of the suspension bridge holds the load of the structure which is held in place by vertical suspenders supporting the cables.
2. The bridge works by using cantilevers.

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

Explanation –

The deck of the suspension bridge holds the load of the structure which is held in place by vertical suspenders supporting the cables.

Source: [The Times of India](#)

Q.5) Two-finger test, is sometime seen in news, is related to which of the following?

- a) It is a test to determine the speed of asteroids by snapping fingers.
- b) It is a test conducted by ISRO before the launch of any satellites.
- c) It is a form of virginity testing done by medical professionals.
- d) It is a test to calculate the power of supercomputers in problem solving by finger counting.

Answer: C

The two-finger test is an invasive, unscientific and regressive practice where two fingers are inserted into the vagina to assess the laxity of vaginal muscles and examine the hymen. In rape cases, this test is used to gauge whether a person is sexually active.

Recently, the Supreme Court has declared that any person conducting the invasive 'two-finger' or 'three-finger' vaginal test on rape or sexual assault survivors will be found guilty of misconduct.

Source: [Anyone conducting 'two-finger' test on sexual assault survivors will be held guilty of misconduct: Supreme Court](#)

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

1. India does not allow the import of non-permitted GM Crops and its byproducts in India for human and animal consumption.
2. Use of an unapproved GM variant can attract a jail term of 5 years and a fine of Rs 1 lakh under the Environmental Protection Act, 1986.

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: India is currently importing around 13 million tonnes at a cost of Rs 1.17 lakh crore to the exchequer. Of this, 2.0-2.5 mt soybean oil and 1.0-1.5 mt canola oil is already GM.

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The Union Government of India has decided to allow the import of genetically modified (GM) soymeal for poultry industry.

Statement 2 is correct: Use of an unapproved GM variant can attract a jail term of 5 years and a fine of Rs 1 lakh under the Environmental Protection Act, 1986.

Source: [GM Mustard: A Win For Science And The Farmer](#)

Q.7) Which of the following is/are the correct about Fungal pathogens?

1. Fungal infections often affect severely ill patients and those with significant underlying immune system-related conditions.
2. Fungal pathogens are a major threat to public health as they are becoming increasingly common and resistant to treatment with only four classes of antifungal medicines currently available.
3. Cancer and HIV/AIDS patients have no risk of fungal infections due to Chemotherapy and Anti-retroviral therapies (ART) respectively.

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

Answer: A

Statement 1 and 2 are correct: Fungal infections often affect severely ill patients and those with significant underlying immune system-related conditions.

Most fungal pathogens lack rapid and sensitive diagnostics and those that exist are not widely available or affordable globally.

Fungal pathogens are a major threat to public health as they are becoming increasingly common and resistant to treatment with only four classes of antifungal medicines currently available, and few candidates in the clinical pipeline.

Statement 3 is incorrect: Populations at greatest risk of invasive fungal infections include those with cancer, HIV/AIDS, organ transplants, chronic respiratory disease and post-primary tuberculosis infection.

Source: [WHO releases first-ever list of fungal infections that can be threat to public health](#)

Q.8) With reference to Special Operation Medal, consider the following statements;

1. It aims to recognize those operations which have a high degree of planning, high significance for the security of the country/State/UT.
2. The award shall be conferred for Special Operations in the areas such as counter-terrorism, border action, arms control, prevention of narcotics smuggling and rescue operations.

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: The objective of the medal is to recognize those operations which have

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a high degree of planning, high significance for the security of the country/State/UT and have a significant impact on the security of larger sections of the society.

Statement 2 is correct: The award shall be conferred for Special Operation in the areas such as counter terrorism, border action, arms control, prevention of narcotics smuggling and rescue operations.

Source: [Union Home Minister's "Special Operation Medal" for the year 2022 awarded for 4 Special Operations](#)

Q.9) With reference to the Doctrine of Pleasure, consider the following statements;

1. The pleasure doctrine is a concept derived from English common law, under which the crown can dispense with the services of anyone in its employ at any time.
2. In India, the President can dispense the services of anyone working under his Pleasure at any time without any restrictions.

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 pleasure doctrine is a concept derived from English common law, under which the crown can dispense with the services of anyone in its employ at any time.

Statement 2 is incorrect: In India, Article 310 of the Constitution of India says every person in the defence or civil service of the Union holds office during the pleasure of the President, and every member of the civil service in the States holds office during the pleasure of the Governor. However, Article 311 imposes restrictions on the removal of a civil servant. It provides for civil servants being given a reasonable opportunity for a hearing on the charges against them.

Source: [The Hindu](#)

Q.10) Which of the following statement is not correct about myositis?

- a) It is a rare condition that causes muscles to become weak, painful and tired.
- b) Men are more likely to be affected by this disease than women.
- c) It is usually caused by a problem with the immune system, where it mistakenly attacks healthy tissue.
- d) There is no one medical treatment to fits all Myositis patients,

Answer: B

Myositis can affect both children and adults. With the exception of one type of myositis, women are more likely to be affected by this disease than men.

Source: [Indian Express](#)

PRELIMS

Q.1) With reference to Shanghai Cooperation Organization (SCO) consider the following statements:

1. It is a permanent intergovernmental international organization.
2. Heads of State Council is the top decision-making body of SCO.
3. Afghanistan is one of its member states.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1: Shanghai Cooperation Organization (SCO) is a permanent intergovernmental international organization.

Statement 2: Heads of State Council is the top decision-making body of SCO.

Statement 3: The statement is incorrect. Afghanistan, Belarus and Mongolia are the observer states of SCO.

Source: [The Hindu](#)

Q.2) With reference to Belt and Road initiative (BRI) consider the following statements:

1. It aims filling the infrastructure gap in Asia by connecting land and sea routes under the Silk Route.
2. India is part of this initiative.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1: Belt and Road initiative (BRI) aims at developing infrastructure and economic integration of the countries along the ancient Silk Route. This will help infrastructure development in Asia.

Statement 2: The statement is incorrect. BRI is the initiative of China and India opposes this as there are threats to its national sovereignty.

Source: [The Hindu](#)

Q.3) Which of the following is the cause of heart disease in India?

- a) Indians have smaller diameters of arteries
- b) Indians have smaller body surface area.
- c) Indians are genetically weak.
- d) Indians are mostly obese.

Answer: B

Explanation –

A study conducted by researchers from the Department of Cardiology and Radiology at Sir Ganga Ram Hospital has found that Indians do not have an increased risk for Coronary Artery Disease (heart disease) because of their smaller diameters of arteries, but it is because of their smaller body surface area.

Source: [India Today](#)

Q.4) With reference to Govind Guru consider the following statements:

- 1. He was a social and religious reformer in the Adivasi-dominated border areas of Gujarat and Rajasthan.
- 2. He popularized the Bhagat movement.

Select the correct statements using the codes given below:

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

Answer: C

Explanation –

Govind Guru also known as Govindgiri was a social and religious reformer in the Adivasi-dominated border areas of Gujarat and Rajasthan. He popularized the Bhagat movement.

Source: [The Hindustan Times](#)

Q.5) Which of the following states are part of Mudumalai Tiger Reserve?

- 1. Tamil Nadu
- 2. Karnataka
- 3. Andhra Pradesh

4. Kerala

Select the correct answer from the codes given below;

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

Answer: B

Mudumalai Tiger Reserve is located in the Nilgiris District of Tamil Nadu state spread over 321 sq. km at the tri-junction of three states, viz, Karnataka, Kerala and Tamil Nadu.

It forms part of the Nilgiris Biosphere Reserve, the first Biosphere Reserve in India, declared in 1986.

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It has a common boundary with Wayanad Wildlife Sanctuary (Kerala) on the West, Bandipur Tiger Reserve (Karnataka) on the North, the Nilgiris North Division on the South and East and Gudalur Forest Division on the South West.

Source: [Invasive tree spreading in Mudumalai Tiger Reserve](#)

Q.6) Which of the following department/ministry has launched HARIT Aaykar initiative?

- a) Niti Aayog
- b) Income Tax Department
- c) Ministry of Commerce
- d) Department of Personnel and Training

Answer: B

It was launched by the Income Tax Department. Under the initiative, the Income Tax Department resolves to increase the green cover by planting trees and creating micro-forests in and around the Income Tax Department's buildings and other public areas.

Source: [HARIT Aaykar initiative by Income Tax Department for increasing greenery and creating micro forests](#)

Q.7) Which of the following statement is not correct about Pasumpon Muthuramalinga Thevar?

- a) He was a freedom-fighter cum spiritual leader and was seen as a deity among the Mukulathor community.
- b) He accepted traditional Hinduism and supported the 'Varnashrama'.
- c) He became a close aide of Netaji Subhas Chandra Bose.
- d) He was instrumental behind repealing the Criminal Tribes Act(CTA).

Answer: B

He did not accept traditional Hinduism because it supported the 'Varnashrama'. He regularly fought against the evils of the Hindu religion. In 1939, he assisted activist A. Vaidyanatha Iyer to take Dalits to the Meenakshi Temple in Madurai.

Source: [PM bows to freedom fighter, Pasumpon Muthuramalinga Thevar on the occasion of his Guru Pooja](#)

Q.8) With reference to the glyphosate, consider the following statements;

- 1. It is applied to the leaves of plants to kill both broadleaf plants and grasses.
- 2. Application of glyphosate anywhere else apart from tea plantations and its surroundings is illegal in 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: C

Statement 1 is correct: Glyphosate is an herbicide. It is applied to the leaves of plants to kill both broadleaf plants and grasses.

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Statement 2 is correct: In India, glyphosate has been approved for use only in tea plantations and non-plantation areas accompanying the tea crop. Use of the substance anywhere else is illegal.

Source: [Center Restricts use of Glyphosate](#)

Q.9) Yotta D1, is sometime seen in news, is related to which of the following?

- a) It is a new space craft launched to study Venus.
- b) It is a satellite launched by Pakistan to counter Navic satellites of India.
- c) It is North India's first hyperscale data centre.
- d) It is a potential hazardous asteroid.

Answer: C

Yotta D1 is North India's first hyperscale data centre.

Located in: Greater Noida, UP

Built by: Yotta Infrastructure, part of Hiranandani Group

The data centre is spread across 20 acres and will offer a total capacity of 30,000 racks, 4 dedicated fiber paths and an IT power capacity of 160 MW.

Purpose: It will cater to the full spectrum of digital transformation needs with an elaborate portfolio of solutions that include data center colocation services, network and connectivity, internet peering, IT security and smart cybersecurity and a host of application modernisation and cloud-enabled services.

Source: [Y1otta D1 - North India's first hyperscale data centre](#)

Q.10) With reference to Civil Air Navigation Services Organisation(CANSO), consider the following statements;

- 1. It is a representative body of companies that provide air traffic control.
- 2. It is a subsidiary body of the International Civil Aviation Organization (ICAO).

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: Civil Air Navigation Services Organisation(CANSO) was founded in 1996. It is a representative body of companies that provide air traffic control.

Statement 2 is incorrect: CANSO also represents its members' views in regulatory and industry forums, including at the International Civil Aviation Organization(ICAO) where it has official Observer status.

Source: [Goa hosts Civil Air Navigation Services Organisation \(CANSO\) Asia Pacific Conference](#)

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Q.1) With reference to 'Niveshak DiDi' initiative, consider the following statements:

1. The initiative aims to promote health awareness amongst the females.
2. It was organised by India Post Payments Bank.
3. This initiative is based on the ideology of 'women for women'.

Which of the statements given above are correct?

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

Answer: B

Explanation

Statement 1: The statement is incorrect. Niveshak DiDi initiative aims to promote Financial Literacy 'By the women, for the women'. It was India's First Floating Financial Literacy Camp conducted among the local residents around the world-famous Dal Lake of Srinagar, J&K.

Statement 2: This initiative was organised by India Post Payments Bank (IPPB) in collaboration with Investor Education and Protection Fund Authority (IEPFA).

Statement 3: Niveshak Didi' initiative is based on the ideology of women for women as rural area women feel more comfortable to share their queries with a female itself.

Source: [PIB](#)

Q.2) With reference to AD-1 missile interceptor, consider the following statements:

1. It is a long-range interceptor missile designed for high exo-atmospheric interception of long-range ballistic missiles as well as aircraft.
2. It comprises two-stage solid motor along with indigenously-developed advanced control and navigation system to hit the desired target.

Select the correct statements using the codes given below;

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

Answer: B

Explanation –

Statement 1: AD-1 missile interceptor is a long-range interceptor missile designed for both low exo-atmospheric and endo-atmospheric interception of long-range ballistic missiles as well as aircraft.

Statement 2: It is propelled by a two-stage solid motor and equipped with indigenously-developed advanced control system, navigation and guidance algorithm to precisely guide the vehicle to the target.

Source: [PIB](#)

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Q.3) Consider the following statements:

1. Daulatabad in Maharashtra was the capital of Yadava Dynasty.
2. Gaddegali refers to specific dance form associated with the state of Maharashtra.

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

Explanation –

Statement 1: Yadava dynasty included the territory of Maharashtra, North Karnataka and parts of Madhya Pradesh. Its capital was at Devagiri (present-day Daulatabad in modern Aurangabad district, Maharashtra).

Statement 2: The statement is incorrect. Gaddegali in Marathi refers to proverbs inscribed in 16 lines. The same is called Gaddegalu in Kannada.

Source: [The Times of India](#)

Q.4) With reference to GM-Mustard (DMH-11) consider the following statements:

1. It is a self-pollinating plant and has higher yields than its parent mustard Varuna.
2. DMH-11 become herbicide resistant only after the introduction of bar gene.

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

Explanation –

Statement 1: DMH-11 is a self-pollinating plant and has higher yields than its parent mustard Varuna.

Statement 2: DMH-11 become herbicide resistant only after the introduction of bar gene.

Source: [The Hindu](#)

Q.5) Malabar a multilateral naval exercise consisting of –

- a) India, Japan, and Australia
- b) India, Bangladesh, Russia and North Korea
- c) U.S., India, Japan and Australia
- d) Germany, India, Brazil, Indonesia

Answer: C

Explanation - Malabar a multilateral naval exercise that involves U.S., India, Japan and Australia.

Source: [The Hindu](#)

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Q.6) With reference to 'Green Bonds', consider the following statements:

1. They are used to fund environmental-friendly projects a lower interest rate than regular bonds.
2. The aim of the bond is to encourage companies to invest in green projects.
3. The International Monetary Fund (IMF) was the first institution to issue green bonds.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Green Bonds are used to fund environmental-friendly projects a lower interest rate than regular bonds. The aim of the bond is to encourage companies to invest in green projects. World Bank was the first institution to issue green bonds.

Source: [Live Mint](#)

Q.7) With reference to **Kyasanur Forest disease (KFD)** consider the following statements:

1. It is a viral haemorrhagic fever endemic to South-western part of India.
2. It is non-zoonotic disease.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1: Kyasanur Forest disease (KFD) is a viral haemorrhagic fever endemic to South-western part of India.

Statement 2: The statement is incorrect. It is a zoonotic disease as it spread to human after the bite of hard tick. It is mainly spread amongst the forest and agricultural workers.

Source: [Live Mint](#)

Q.8) Consider the following statements:

1. The World Network of Biosphere Reserves promotes North-South and South-South collaboration.
2. Bhutan and Nepal do not have any biosphere reserves.
3. The first biosphere reserve in South Asia was Nilgiri Biosphere reserve.

Which of the statements given above is/are correct?

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

Answer: B

Explanation –

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Statement 1: The World Network of Biosphere Reserves promotes North-South and South-South collaboration and represents a unique tool for international co-operation through sharing knowledge, exchanging experiences, building capacity and promoting best practices.

Statement 2: Bhutan and Nepal do not have any biosphere reserves.

Statement 3: The statement is incorrect. The first biosphere reserve in South Asia Hurulu Biosphere Reserve in Sri Lanka (1977) while first biosphere reserve of India was Nilgiri Biosphere reserve (1986).

Source: [The Hindu](#)

Q.9) With reference to **Regional Rural Banks (RRB)**, consider the following statements:

1. They were set up under the Regional Rural Banks Act, 1976.
2. They were set up on the recommendation of Abhijeet Sen Committee.
3. They ensure adequate credit supply for agriculture and other rural sectors.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Regional Rural Banks (RRB) were set up under the Regional Rural Banks Act, 1976. They were set up on the recommendation of Narasimham Committee. They ensure adequate credit supply for agriculture and other rural sectors.

Source: [Business Standard](#)

Q.10) With reference to **Gati Shakti scheme**, consider the following statements:

1. It incorporates the infrastructure schemes of various Ministries and State Governments.
2. It aims at boosting multimodal infrastructure connectivity to reduce the cost and time of the logistic transportation.
3. It aims enhancing last mile connectivity and making India business capital of the world.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Gati Shakti scheme incorporates the infrastructure schemes of various Ministries and State Governments. It aims at boosting multimodal infrastructure connectivity to reduce the cost and time of the logistic transportation. It also aims enhancing last mile connectivity and making India business capital of the world.

Source: [Business Standard](#)

PRELIMS

Q.1) With reference to Opium Poppy plant consider the following statements:

1. They contain alkaloids that are used for preparing medicines for humans and cattle.
2. Sandy soil is ideal for their cultivation.
3. Afghanistan is the largest cultivator of poppy plant.

Which of the statements given above 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: Opium Poppy contain alkaloids that are used for preparing medicines for humans and cattle. They are medicinal plants.

Statement 2: The statement is incorrect. They grow well in loamy soil.

Statement 3: Afghanistan is the largest cultivator of poppy plants in the world.

Source: [The Indian Express](#)

Q.2) With reference to CRISPR-Cas9, a gene editing method consider the following statements:

1. It edits genes by cutting the desired DNA and allowing natural DNA repair processes to take over.
2. This technology works at extremely high temperatures...

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

Explanation –

Statement 1: CRISPR-Cas9 edits genes by cutting the desired DNA and allowing natural DNA repair processes to take over.

Statement 2: The statement is incorrect. CRISPR-Cas9 technology can work at very low temperatures of 4 degree C but it works at moderate high temperatures only around 37 degrees C.

Source: [PIB](#)

Q.3) With reference to Mines and Minerals (Development and Regulation) Amendment Act, 2021 consider the following statements:

1. captive mine operators may sell up to 50% of their annual mineral production in the open market after meeting their own needs.
2. The Act has removed state government's role and given central power the authority to conduct the auction of mines.

Select the correct statements using the codes given below:

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

Answer: D

Explanation –

Statement 1: Mines and Minerals (Development and Regulation) Amendment Act, 2021 provides that captive mines may sell up to 50% of their annual mineral production in the open market after meeting their own needs.

Statement 2: The statement is incorrect. The Act gives power to the central government to give state government power to complete the auction process in the specified time. If the state government fails, then it is the duty of the central government to take over.

Source: [Live Mint](#)

Q.4) With reference to Adaptation Gap Report, consider the following statements:

1. It is released by United Nations Development Programme.
2. The Adaptation Gap Report 2022 provided that international adaptation finance to the developing countries is lower than required.

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

Explanation –

Statement 1: The statement is incorrect. Adaptation Gap Report is published by the United Nations Environment Programme's (UNEP).

Statement 2: The Adaptation Gap Report 2022 provided that international adaptation finance to the developing countries is five to 10 times below estimated needs.

Source: [Business Standard](#)

Q.5) With reference to 'Cordyceps militaris' seen in the news recently consider the following statements:

1. It is also called super mushroom.
2. It is found throughout the northern hemisphere.
3. It is responsible for decay of trees.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1: Cordyceps militaris is also called super mushroom because of its high medicinal properties.

Statement 2: It is found throughout the northern hemisphere.

Statement 3: The statement is incorrect. Cordyceps militaris is a parasitic fungus known for its anti-ageing, anti-viral, energy and immunity-boosting effect.

Source: [The Hindu](#).

Q.6) With reference to Cordy gold nanoparticles (Cor-AuNPs) consider the following statements:

1. It can make drug delivery in humans faster.
2. They are derived from the synthesis of the extracts of Cordyceps Militaris and Gold Salts.
3. It can be delivered in the form of ointments and tablets.

Which of the statements given above are correct?

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

Answer: D

Explanation –

Statement 1: Cordy gold nanoparticles (Cor-AuNPs) can make drug delivery in humans faster.

Statement 2: They are derived from the synthesis of the extracts of Cordyceps Militaris and Gold Salts.

Statement 3: This nano-particles can be delivered in the form of ointments, tablets, capsules, and in other forms.

Source: [The Hindu](#).

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Q.7) Consider the following statements with respect to Panamaram heronry:

1. It is the largest breeding ground of different species of herons in the Malabar region.
2. It is present along the sandbank on the Panamaram river.
3. It is found in the Karnataka.

Which of the statements given above are correct?

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

Answer: A

Statement 1: Panamaram heronry is the largest breeding ground of different species of herons in the Malabar region.

Statement 2: It is present along the sandbank on the Panamaram river.

Statement 3: The statement is incorrect. It is present in the Wayanad district of Kerala.

Source: [The Hindu](#)

Q.8) With reference to Scheduled Tribe consider the following statements:

1. Article 342 of the Constitution of India deals with the recognition of Schedule Tribe.
2. Pahari ethnic group of Jammu and Kashmir has been notified for the inclusion as a Scheduled Tribe.
3. The inclusion or exclusion to the ST list does not require Parliamentary approval.

Which of the statements given above is/are correct?

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

Answer: C

Explanation –

Statement 1: Article 342 of the Constitution of India deals with the recognition of Schedule Tribe.

Statement 2: Pahari ethnic group of Jammu and Kashmir has been notified for the inclusion as Schedule Tribe.

Statement 3: The statement is incorrect. Article 342 states that any inclusion or exclusion from the list of ST can only be done by the approval of law by the Parliament.

Source: [The Hindu](#)

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Q.9) With reference to Doha Agreement consider the following statements:

1. It was signed between Pakistan and the United States.
2. The aim of the agreement was to end terrorist funding in Pakistan.

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

Explanation –

Statement 1: The statement is incorrect. Doha Agreement was signed between the United States and Afghanistan.

Statement 2: The statement is incorrect. There were various aim included in the agreement like withdrawal of troops by the US, exchange of prisoners, etc.

Source: [The Indian Express](#)

Q.10) With reference to ‘Purple Heron’ birds consider the following statements:

1. They are found in Africa and Asia.
2. They are listed as Nearly Threatened in the IUCN Red Data List.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1: Purple Heron birds are found in across Africa and Asia and Europe.

Statement 2: The statement is incorrect. They are listed as Least Concern in the IUCN Red Data List.

Source: [The Hindu](#)

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Q.1) With reference to Shyama Prasad Mukherji Rurban Mission (SPMRM) consider the following statements:

1. The mission focuses on developing urban slum areas around the major cities of India.
2. Aibawk cluster in Mizoram has become the first cluster to be completed under the mission.

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

Explanation –

Statement 1: The statement is incorrect. SPMRM focuses on increasing local economic development, enhance basic services, and creating well-planned Rurban clusters.

Statement 2: Aibawk cluster in the Aizwal district of Mizoram has become the first cluster to be completed under the SPMRM.

Source: [PIB](#)

Q.2) Make-II Projects was seen in the news recently. It is associated with –

- a) Developing rural economy
- b) Developing defense equipment
- c) Developing sustainable agricultural practices.
- d) Developing electronic vehicles.

Answer: B

Explanation –

Make Projects are aimed at developing indigenous defense technologies. They are two parts under this project – Make-I (90% Government funded) and Make – II (Industry funded).

Source: [PIB](#)

Q.3) Consider the following statements with respect to the formation of rainbows:

1. Sunlight and rainfall are essential conditions for the formation of rainbows.
2. It occurs due to the refraction of water droplets with sunlight.
3. India will see a smaller number of rainbows in the coming years due to the change in precipitation patterns.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1: A rainbow is a common atmospheric optical phenomenon. Sunlight and rainfall are essential conditions for the formation of rainbows.

Statement 2: Rainbow occurs due to the refraction of water droplets with sunlight.

Statement 3: The statement is incorrect. There has been change in the precipitation patterns in India and precipitation might increase in India due to the climate change. Thus, increasing

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the number of rainbows in India. India along with African countries like Mali, Niger, Chad, Sudan and Ethiopia are also likely to experience more rainbow days.

Source: [DTE](#)

Q.4) With reference to 'Warli Painting' consider the following statements:

1. It is a wall painting that uses different geometric shapes.
2. It is practiced by Saura tribes of Odisha.
3. They resemble the mural paintings of Bhimbetka.

Which of the statements given above are correct?

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

Answer: C

Explanation -

Statement 1: Warli Painting is a wall painting that uses different geometric shapes like triangles and circles.

Statement 2: The statement is incorrect. It is practiced by the Warli tribes of Sahyadri, Maharashtra.

Statement 3: They resemble the mural paintings of Bhimbetka.

Source: [The Hindu](#)

Q.5) With reference to the United Nations Framework Convention on Climate Change (UNFCCC) consider the following statements:

1. Its objective is to stabilize greenhouse gases concentrations in the atmosphere.
2. The targets set under UNFCCC is binding on the member countries.
3. It was formed at the Earth Summit.

Which of the statements given above are correct?

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

Answer: C

Explanation -

Statement 1: The objective of UNFCCC is to achieve, stabilization of greenhouse gas concentrations in the atmosphere at a level that would prevent dangerous anthropogenic interference with the climate system.

Statement 2: The statement is incorrect. The targets set under UNFCCC is not binding.

Statement 3: UNFCCC was formed at the United Nations Conference on Environment and Development also known as the Earth Summit in 1992.

Source: [The Hindu](#)

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Q.6) With reference to 'Waste-to-Energy' process consider the following statements:

1. It is a method to convert waste to energy to reduce the greenhouse gas emission.
2. Under this process, the energy is generated only from non-hazardous waste.

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

Explanation –

Statement 1: Waste-to-Energy is a method to convert waste to energy to reduce the greenhouse gas emission, especially methane.

Statement 2: It generates energy from non-hazardous waste that is taken to the landfills.

Source: [Live Mint](#)

Q.7) With reference to Bio-energy consider the following statements:

1. It is the energy produced from biomass.
2. They are completely clean form of energy and does not posses any threat for climate.

Select the correct statements using the codes given below:

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

Answer: A

Explanation –

Statement 1: Bio-energy is the energy produced form biomass.

Statement 2: The statement is incorrect. Bioenergy can be alternative fossil fuels but they are not completely clean and produces some number of harmful gases in the atmosphere.

Source: [Live Mint](#)

Q.8) With reference to Madhubani paintings consider the following statements:

1. The figure in the painting is symbolic.
2. It has been Geographical Indication status.
3. It is a three-dimensional painting.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Statement 1: The figure in the Madhubani painting is symbolic. For example, fish symbolizes good luck and fertility.

Statement 2: Madhubani painting has been Geographical Indication status.

Statement 3: The statement is correct. Madhubani paintings are two dimensional.

Source: [The Hindu](#)

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Q.9) With reference to Employees' Provident Fund Organisation (EPFO) consider the following statements:

1. It is a social security organisation that aims to extend universal coverage and ensure seamless and uninterrupted service delivery to its stakeholders.
2. It is administered by Ministry of Social Justice and Empowerment.

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

Explanation –

Statement 1: EPFO is a social security organisation that aims to extend universal coverage and ensure seamless and uninterrupted service delivery to its stakeholders.

Statement 2: The statement is incorrect. It is administered by Ministry of Labour & Employment.

Source: [The Hindu](#)

Q.10) Consider the following:

1. Vehicular Emission
2. Low Temperature
3. Direction of the wind

Which of the above factors is/are responsible for air pollution in Delhi?

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

Answer: D

Explanation –

All three factors including the geographical and topography of Delhi is responsible for the air pollution in Delhi. Northwesterly winds from Punjab carries particulate matter that causes pollution in Delhi. Low temperatures around winters contribute to high pollution as it restricts dispersion of the pollution. Vehicular emission is also responsible.

Source: [The Indian Express](#)