

10 PM Current Affairs Quiz Compilation

October, 2021

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ECONOMY

Q.1) With reference to coal reserves in India, consider the following statements:

1. Globally, India is the second largest producer of coal.
2. USA is the biggest consumer of coal in the world.

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:** India is the 2nd largest producer and consumer of coal. It has 4th largest coal reserves globally.
- **Statement 2 is incorrect:** China, not US, is the biggest consumer of the coal in the world.

Source - [Article](#)

Q.2) Arrange the following in the decreasing order of their share in India's installed generation capacity:

1. Coal fired thermal power
2. Hydropower
3. Renewable energy

Select the correct answer from the codes given below:

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

Correct Answer: C

Explanation

- India's coal fired thermal power plants account for 54% of India's 388 GW installed generation capacity, Renewable energy (101 GW), Gas (25GW), hydropower (46GW) and nuclear energy account for the rest.

Source - [Article](#)

Q.3) With reference to National Dairy Development Board (NDDB), consider the following statements?

1. It is a statutory body and an institute of national importance.
2. The NDDB is headquartered in New Delhi.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2

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d) Neither 1 nor 2

Correct Answer: A

Explanation:

- Statement 1 is correct: The NDDB is a statutory body and an institute of national importance, established by an act of the Indian Parliament in 1965. It was founded by Dr Verghese Kurien, often called 'India's milkman'.
- Statement 2 is incorrect: The NDDB was created to boost, finance and support producer-owned and controlled organisations in the dairy industry. The NDDB is headquartered in Anand, Gujarat. Source: Union Minister of State for Fisheries, Animal Husbandry & Dairying unveils National Digital Livestock Mission Blueprint at NDDB

Q.4) With reference to International Financial Services Centres Authority (IFSCA), consider the following statements:

1. It is a statutory body.
2. At present, the GIFT IFSC in Gujarat is the maiden international financial services centre in India.

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.

About IFSCA:

- International Financial Services Centres Authority (IFSCA) was established in 2020 under the International Financial Services Centres Authority Act, 2019.
- Role of IFSCA: The IFSCA is a unified authority for the development and regulation of financial products, financial services and financial institutions in the International Financial Services Centre (IFSC) in India.
- At present, the GIFT IFSC in Gandhinagar, Gujarat is the maiden international financial services centre in India.
- Prior to the establishment of IFSCA, the domestic financial regulators, namely, RBI, SEBI, PFRDA and IRDAI regulated the business in IFSC. Source: PIB

Q.5) With reference to River Ranching programme, consider the following statements:

1. It has been introduced as a special activity under Pradhan Mantri Kaushal Vikas Yojana.
2. One of its aims is to promote the sustainable use of fishery resources in an economical and environmentally responsible manner.

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

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Correct Answer: b

Explanation

- Statement 1 is incorrect: “River ranching programme” is introduced as special activity under PMMSY (Pradhan Mantri Matsya Sampada) scheme
- Statement 2 is correct Source: PIB

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

1. The App is aimed to promote transparency and easy access of port related information.
2. It incorporates all port facts digitally and virtually monitors 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

Correct Answer: C

Explanation

Both statements are correct.

- MyPortApp: The App includes all port details digitally and monitor operations virtually. Targeted towards Port Users for availing various Port services, the App is aimed to promote transparency and easy access of port related information. The app also has various information like Vessel Berthing, Rake & Indent, Rake Receipt, Container Status, Tariff, Bills, Port Holidays, etc. and can be accessed anywhere 24x7 and reach out directly to port. Source: PIB

Q.7) With reference to vertical farming, consider the following statements:.....

1. Under this kind of farming, crops are grown indoors, under artificial conditions of light and temperature.
2. It uses soil-less methods such as hydroponics, aquaponics and aeroponics.

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.

- In vertical farming, crops are grown indoors, under artificial conditions of light and temperature. Crops are grown indoors, under artificial conditions of light and temperature. It aims at higher productivity in smaller spaces. It uses soil-less methods such as hydroponics, aquaponics and aeroponics.

Source: [Article](#)

Q.8) Which of the following factors drive the formation of tarballs?

1. Discharge from municipal waste
2. Oil-well blowouts
3. Accidental release of bilge and ballast water

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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:

- Tarballs are dark-coloured substances formed from weathering of crude oil floating on the ocean surface. These are dropped off to shores by waves and sea currents. They accumulate in several sizes ranging from small globules to those as big as a basketball.
- Discharge from municipal waste, oil-well blowouts, deliberate and accidental release of bilge and ballast water from ships are among the main factors driving the formation of these pollutants.

Source: [Article](#)

Q.9) What is Amolops Adicola that has been in news recently?

- a) A cascade frog species discovered in Arunachal Pradesh.
- b) A new grass species discovered in the Western Ghats.
- c) Lizard species endemic to the Easter Ghats.
- d) Blind eel species discovered in Mumbai.

Correct Answer: a

Explanation:

- A team of researchers from Delhi University (DU) have discovered a new species of cascade frog in Arunachal Pradesh. They have named the frog species as “Adi Cascade Frog (Amolops Adicola)”

Source: [Article](#)

Q.10) With reference to Central Pollution Control Board (CPCB), consider the following statements:

1. It is a statutory body established under the Environment Protection Act 1986.
2. One of its functions is to promote cleanliness of streams and wells in different States.

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:** CPCB is a statutory body but it has been established under the Water (Prevention and Control of Pollution) Act, 1974.
- **Statement 2 is correct:** The functions of CPCB includes: promote cleanliness of streams and wells in different States by prevention, control and abatement of water pollution and to improve the quality of air and to prevent, control or abate air pollution in the country.

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Source: [Article](#)

Q.11) With reference to the **Voluntary Safety Reporting System**, consider the following statements:

1. The system will facilitate the collection of information on actual or potential safety deficiencies on flight safety.
2. Voluntary Safety Reporting System is a substitute for Mandatory Safety Reporting System.
3. Directorate General of Civil Aviation (DGCA) is implementing the system.

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

Correct Answer: C

Explanation

Statement 1 is correct: The Directorate General of Civil Aviation (DGCA) has introduced a Web-based system on the eGCA platform for voluntary reporting of incidents that pose a potential threat to flight safety. The system will facilitate the collection of information on actual or potential safety deficiencies that may not be captured by the mandatory safety reporting system.

Statement 2 is incorrect: the Voluntary Safety Reporting System was not a substitute for Mandatory Safety Reporting System that would continue to function.

Statement 3 is correct: Directorate General of Civil Aviation (DGCA) is implementing the Voluntary Safety Reporting System.

Source: Online system for aviation safety

Q.12) With reference to **GOAL** program, consider the following statements:

1. It is a joint initiative of Facebook and Ministry of Skill development and Entrepreneurship.
2. The program intends to upskill and empower tribal youths over the course of next five years to harness the full potential of digital platforms and tools.

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 a joint initiative of Ministry of Tribal Affairs (MoTA) and Facebook.
- **Statement 2 is correct**

Source: [Article](#)

Q.13) With reference to **I-Sprint 2021**, consider the following statements:

1. I-Sprint21, the global FinTech Hackathon Series launched by International Financial Service Authority.

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2. This sprint is focussed on bringing improvements in the sports sector..

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: I-Sprint21, the global FinTech Hackathon Series of IFSCA was launched recently, where the first Sprint of the series “**Sprint01: BankTech**” is focussed on FinTechs for the Banking sector.

Statement 2 is incorrect: it is for the Banking sector.

Source: [Launch of I-Sprint’21: IFSCA’s Global FinTech Hackathon Series Sprint01: BankTech](#)

Q.14) With reference to Sandalwood, consider the following statements:

- 1. India contributes majority of Sandalwood trade in the world.
- 2. Sandalwood has anti-bacterial, anti-biotic & anti-cancer properties.

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:

Recently, Union Minister of Rural Development & Panchayati Raj inaugurated a training program on Sandalwood Farming & Management of its health in association with the Institute of Wood Science & Technology (IWST), Bengaluru. The program is structured around the basics & benefits of Indian sandalwood, seed handling, nursery techniques & managing the health of the plant.

Statement 1 is correct: Globally, India & Australia are the largest growers of sandalwood, while the biggest markets lie in the United States, China, Japan & the Indian domestic market.

Sandalwood has been long associated with the Indian heritage & culture, as the country contributed 85% of the world’ sandalwood trade erstwhile. However, off late this has been declining at a fast rate.

Statement 2 is correct: With anti-bacterial, anti-biotic & anti-cancer benefits amongst others, sandalwood finds its uses in pharmaceuticals, personal care & furnitures.

Source: [PIB](#)

Q.15) With reference to India, consider the following statements:

- 1. Income taxpayers are the main funder of government.
- 2. At present, India has an official taxpayer's union.

Which of the statements given above is/are correct?

- a) 1 only

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

Correct Answer: D

Explanation:

Statement 1 is incorrect: Presently, less than one-third of the combined spending of state and central governments in India is raised through income tax. At present, taxes on commodities meet more than half the expenditure of the government.

Statement 2 is incorrect: At present, India does not have an official taxpayers union. Recently, the idea has been floated by an income tax officer to have a "taxpayers union".

Source: [Freebies, handouts and other myths loved by income taxpayers](#)

Q.16) With reference to **PM Gati Shakti**, consider the following statements:

1. Gati Shakti is a digital platform.
2. The plan will bring all Ministries including Railways and Roadways together.
3. The Gati Shakti scheme will subsume the Rs 110 lakh crore National Infrastructure Pipeline that was launched in 2019.

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

Prime Minister has launched the Gati Shakti – National Master Plan for Multi-modal Connectivity.

Statement 1 is correct: Gati Shakti is a digital platform.

Statement 2 is incorrect: The Plan will bring 16 Ministries including Railways and Roadways together for integrated planning and coordinated implementation of infrastructure connectivity projects.

Statement 3 is correct: The Gati Shakti scheme will subsume the Rs 110 lakh crore National Infrastructure Pipeline that was launched in 2019.

Source: [PM launches Gati Shakti- National Master Plan for infrastructure development](#)

Q.17) **Justice Dharmadhikari report** was recently seen in news. The report is related to which of the following?

- a) Creation of National Infrastructure Master Plan
- b) Innovation in Telecom sector
- c) Privatization of Air India
- d) Reviving loss making Discoms

Correct Answer: C

Explanation:

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The airline was losing Rs 20 crore each day with its debt having mounted to Rs 65,562 crore by August, 2021. As a result, it had lost more than Rs 5,000 crore each year since 2016. Its accumulated losses of Rs 70,875.98 crore resulted in the complete erosion of the net worth of the company.

The Air India also has outstanding employee dues of Rs 1,332 crore as per the Justice Dharmadhikari report with employee benefit expenses being above Rs 3,000 crore each year.

Source: [Air India sale opens up a brighter future for aviation](#)

Q.18) With reference to **nuclear power plants in India**, consider the following statements:

1. Nuclear power currently provides only 3% of India's total electricity demands.
2. Currently, there are 22 operational reactors 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

Correct Answer: C

Explanation:

Both the statements are correct.

Nuclear power is considered by many as being the only source of energy suitable to support continuous industrialisation and urbanisation. But it currently provides only 3% of India's total electricity.

Nuclear Power Corporation of India Limited (NPCIL) is the public sector enterprise under the Department of Atomic Energy entrusted with the task of nuclear power generation in the country.

Currently, there are 22 operational reactors in India with a total installed capacity of 6780 MWe (Megawatts electric).

Source: [\[Yojana October Summary\] Energy Security: Nuclear Power – Explained, pointwise](#)

Q.19) With reference to **Catastrophe bonds**, consider the following statements:

1. These bonds provide options for insurers, reinsurers, global corporations and even governments as a way to protect themselves against natural disasters.
2. The rate of return under these bonds is higher than that of normal government or corporate bonds.
3. One of the drawbacks is the high cost of issuing and managing these bonds as compared to the cost of reinsuring against the risks.

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: A

Explanation

- **Statement 1 and 2 are correct**

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- **Statement 3 is incorrect:** The cost of issuing and managing Cat bonds is lower than the cost of reinsuring against risks.

Source: [Article](#)

Q.20) With reference to **India's nuclear programme**, consider the following statements:

1. Dr. Homi J Bhabha envisioned the road map of the two-stage nuclear program.
2. The program had been conceived with the ultimate objective of utilising the country's vast reserves of thorium-232.
3. India used Pressurized Heavy Water Reactors (PHWRs) in second stage of nuclear power production.

Which of the statements given above is/are correct?

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

Correct Answer: B

Explanation

Statement 1 is incorrect: Dr. Homi J Bhabha envisioned the road map of the three-stage nuclear program.

Statement 2 is correct: The program had been conceived with the ultimate objective of utilising the country's vast reserves of thorium-232.

Statement 3 is incorrect: India used Pressurized Heavy Water Reactors (PHWRs) in the first stage of nuclear power production.

Source: [\[Yojana October Summary\] Energy Security: Nuclear Power – Explained, pointwise](#)

Q.21) With reference to **International Securities Identification Number (ISIN)**, consider the following statements:

1. It is a 5-digit numeric code that uniquely identifies a specific security.
2. The ISIN code is the only common securities identification number that is universally recognized.
3. It is used for uniquely identifying securities like stocks, bonds warrants and commercial papers.

Which of the statements given above is/are correct?

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

Correct Answer: D

Explanation:

Statement 1 is incorrect: An ISIN is a 12-digit alphanumeric code that uniquely identifies a specific security.

Statement 2 is correct: The ISIN code is the only common securities identification number that is universally recognized.

Statement 3 is correct: It is used for uniquely identifying securities like stocks, bonds warrants and commercial papers.

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Source: [The Hindu](#)

Q.22) With reference to Zero Budget Natural Farming, consider the following statements:

1. In this method, neither fertiliser nor pesticide is used.
2. Only 10 % of water is to be utilised for irrigation in ZBNF as compared to traditional farming techniques.

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:

Statement 1 is correct: 'Zero Budget' means without using any credit, and without spending any money on purchased inputs. 'Natural farming' means farming with Nature and without chemicals. Under ZBNF, neither fertiliser nor pesticide is used.

Basic concept of ZBNF, which is different from organic farming, is to ensure that profit from supplementary crops is enough to cover the cost of production of the main crop.

Statement 2 is correct: Only 10 % of water is to be utilised for irrigation as compared to traditional farming techniques.

Source: [The Hindu](#)

Q.23) With reference to the **National Formulary of India (NFI)**, consider the following statements:

1. It is published for the first time in 2021.
2. It aims to promote rational use of medicines in the country.
3. It is published by the National Pharmaceutical Pricing Authority.

Which of the statements given above is/are incorrect?

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

Correct Answer C

Explanation:

Statement 1 is incorrect: This year is the sixth edition of the Publication. The 6th Edition of NFI 2021 has been drafted by adopting the principle 'do not miss critical and do not overload' the information by revising the appendices, chapters and drug monographs.

Statement 2 is correct: It aims to promote rational use of medicines in the country.

Statement 3 is incorrect: NFI has been published by Indian Pharmacopoeia Commission (IPC)

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SCIENCE AND TECHNOLOGY

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

1. It is the first vaccine to be developed against any parasite.
2. It will provide protection against malaria caused by Plasmodium vivax.

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:** Mosquirix is the first vaccine to be developed against any parasite.
- **Statement 2 is incorrect:** Mosquirix is supposed to provide protection against malaria caused by Plasmodium falciparum

Source: [Article](#)

Q.2) Artemis Programme. In news, is related to which of following organization?

- a) NASA (National Aeronautics and Space Administration)
- b) ISRO (Indian Space Research Organization)
- c) ESA (European Space Agency)
- d) JAXA (Japan Aerospace Exploration Agency)

Correct Answer A

Explanation:

About Artemis Programme: NASA's Artemis programme is the most ambitious lunar exploration undertaking since the Apollo missions. **It plans to land the first woman and the next man on the Moon in the coming years.** It will also include a massive technological effort to build new launchers, spacecraft and ground-based facilities as well as putting a gateway module in orbit around the Moon, to act as a stepping stone for further space exploration.

Source: [World Is Entering A New Moon Age](#)

Q.3) With reference to S-400 Triumph Missile, consider the following statements:

1. It is a mobile, surface-to-air missile system (SAM) designed by Russia.
2. It can engage all types of aerial targets including aircraft, unmanned aerial vehicles (UAV) and ballistic and cruise missiles within the range of 400km.

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

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Correct Answer: C

Explanation

Statement 1 is correct: S-400 Triumf Missile: It is a mobile, surface-to-air missile system (SAM) designed by Russia.

Statement 2 is correct: It is capable of firing three types of missiles to create a layered defence. The system can engage all types of aerial targets including aircraft, unmanned aerial vehicles (UAV) and ballistic and cruise missiles within the range of 400km, at an altitude of up to 30km. It can track 100 airborne targets and engage six of them simultaneously.

Source: [U.S. expresses unease over S-400 deal](#)

Q.4) with reference to National Digital Livestock Mission, consider the following statements

1. Its aim is to create a farmer-centric, technology-enabled ecosystem where the farmers are able to realize better income through livestock activities with the right information.
2. It is a digital platform developed jointly by the Department of Animal Husbandry and Dairying (DAHD) and NDDB (National Dairy Development Board)

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 and 2

Correct Answer: c

Explanation:

About National Digital Livestock Mission:

- NDLM is a digital platform developed jointly by the Department of Animal Husbandry and Dairying (DAHD) and NDDB on the foundation of the existing Information Network for Animal Productivity and Health (INAPH).
- Aim of NDLM: The aim is to create a farmer-centric, technology-enabled ecosystem where the farmers are able to realize better income through livestock activities with the right information.
- The bedrock of NDLM will be the unique identification of all livestock, which will be the foundation for all the state and national level programmes, including domestic and international trade.

Q.5) Kármán line sometimes seen in news is associated with?

- a) Space
- b) Dark net
- c) Artificial Intelligence
- d) Deep seabed

Correct Answer: a

Explanation:

- Karman line is the internationally recognized boundary of space which lies around 100 kilometres above mean sea level.

Source: [Article](#)

Q.6) Nordstream 2 runs across which of the following seas?

- a) Adriatic

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- b) Baltic
- c) Aral
- d) Black

Correct Answer: b

Explanation:

- It is a new export gas pipeline running from Russia to Europe across the Baltic Sea

Source: [Article](#)

Q.7) Indian Astronomical Observatory (IAO) was recently seen in news. In which of the following States/UTs the Observatory is located in?

- a) Karnataka.
- b) Tamil Nadu.
- c) Arunachal Pradesh.
- d) Ladakh.

Correct Answer: D

Explanation:

A recent study said that the Indian Astronomical Observatory (IAO) located at Hanle near Leh in Ladakh is becoming one of the promising observatory sites globally. This is due to its advantages of more clear nights, minimal light pollution, background aerosol concentration, extremely dry atmospheric condition, and uninterrupted by monsoon.

IAO is operated by the Indian Institute of Astrophysics, Bangalore. The IAO currently hosts Telescopes such as the Himalayan Chandra Telescope, GROWTH-India Telescope, High Altitude Gamma Ray Telescope.

Source: [Trans- Himalayan region becoming one of the promising astronomical sites globally](#)

Q.8) RTS.S sometimes seen in news is a?

- a) first and, to date only, vaccine shown to have the capability of significantly reducing malaria.
- b) A portable medical kit for developed for on the go and easy detection of COVID.
- c) Newly developed emission standard for electric vehicles.
- d) a standard for the layout of partition tables of a physical computer storage device.

Correct Answer: a

Explanation

- RTS,S/AS01 (RTS.S), trade name Mosquirix, which was endorsed by the World Health Organisation (WHO) on Wednesday (October 6), is the first and, to date only, vaccine shown to have the capability of significantly reducing malaria, and life-threatening severe malaria, in tests on young African children.

Source: [Article](#)

Q.9) Which of the following terms correctly defines OJ 287?

- a) Blazar
- b) Black hole
- c) Asteroid
- d) Near-Earth object

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Correct Answer: a

Explanation

- Blazars are one of the brightest sources in the Universe. A special class of these objects are called BL Lacs, which show rapid and large variability in emission. A blazar called OJ 287, whose **central supermassive black hole is among the largest known, belongs to this class.**

Source: [Article](#)

Q.10) With reference to Indian Space Association (ISpA), consider the following statements:

1. It is the premier Industry association of both space and satellite companies.
2. ISRO is one of its founding members.

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: ISRO is not the founding member of ISpA.

Source: [Article](#)

Q.11) With reference to the Nobel Prize 2021, consider the following statements:

1. For the first time in history, climate scientists have won Nobel Prize this year.
2. This year, the Nobel Prize for Chemistry is awarded for the development of asymmetric Organo catalysis.
3. Nobel prize in medicine has been awarded for the discoveries of receptors for temperature and touch.

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

Correct Answer: B

Explanation:

Statement 1 is incorrect: For the first time in history, climate scientists have won Nobel Prize for Physics this year.

Paul Crutzen won Nobel Prize in Chemistry in 1995, for his work on the ozone layer. He is the first climate scientist to receive Nobel Prize.

Note: The Intergovernmental Panel on Climate Change (IPCC) had won the Peace Nobel in 2007, an acknowledgement of its efforts in creating awareness for the fight against climate change.

Statement 2 is correct: This year, the Nobel Prize for Chemistry is awarded for the development of asymmetric organocatalysis.

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Statement 2 is correct: Nobel prize in the medicine has been awarded for the discoveries of receptors for temperature and touch.

Sources:

- [Explained: Nobel Prize in Medicine 2021](#)
- [Nobel Prize for Physics Goes to 3 for Climate Discoveries](#)
- [Nobel Prize in Chemistry 2021](#)

Q.12) VYZOV was sometime seen in news. Which of the following explains the term?

- a) It is the first space craft to reach close to Sun.
- b) It is the new Russian missile have a range of covering entire countries in Southern Hemisphere.
- c) It is part of Antarctic Ice sheet which started melting recently.
- d) It is the first feature-length fiction film shot in outer space.

Correct Answer: D

Explanation:

Vyzov is the first feature-length fiction film shot in outer space shot by Russia. An Actor travelled to International Space Station (ISS) in a Soyuz MS-19 aircraft to film about 35 to 40 minutes of footage from the movie. The film is about a cosmonaut who loses consciousness after being hit by space debris in the middle of a spaceflight.

Source: [Indian Express](#)

Q.13) With reference to Recirculatory Aquaculture System (RAS) Technology, consider the following statements:

1. This method is used for high- density culture of various species of fish, utilizing minimum land area and water.
2. The capital cost of starting a RAS is much lower as compared to traditional ponds and raceways.
3. RAS requires a constant uninterrupted power supply.

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 is correct:** This method is used for high- density culture of various species of fish, utilizing minimum land area and water. Under the Recirculatory Aquaculture System (RAS) technology, water is recycled and reused after mechanical and biological filtration and removal of suspended matter and metabolites.
- **Statement 2 is incorrect:** The capital cost of starting a recirculating aquaculture system is high as compared to ponds and raceways.
- **Statement 3 is correct:** A constant uninterrupted power supply is required if electric power fails, then a backup of electricity is required.

Source: [Article](#)

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Q.14) Which of the following is a feature of the 6G technology?

1. Energy efficiency
2. Microsecond latency
3. Experiential networking

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

- All are the features of the 6G technology.

Source: [Article](#)

Q.15) With reference to Quantum Key Distribution technology, consider the following statements:

1. It is a secure communication technique that uses quantum properties of photons to encrypt secret keys.
2. The data encryption relies on mathematics.

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: Quantum Key Distribution (QKD) is a secure communication technique that uses quantum properties of photons, the elementary particles of light, to encrypt secret keys that can be shared by two parties to protect their communications.

Statement 2 is incorrect: Typical encryption relies on traditional mathematics, and while for now, it is more or less adequate and safe from hacking. But, the QKD uses physics to encrypt data.

Source: [Telecom secretary asks C-DoT to work on 6G, launches Quantum Communication Lab](#)

Q.16) With reference to TB, consider the following statements:

1. It is a viral disease, impacting mostly the lungs of patient.
2. Nikshay is a digital platform, to manage and monitor information of TB patients.

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:

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Statement 1 is incorrect: TB is caused by **bacteria** (Mycobacterium tuberculosis) that most often affect the lungs. It spreads from person to person through the air. When people with TB cough, sneeze or spit, they propel the TB germs into the air.

Statement 2 is correct: Ministry of Health & Family Welfare launched the NIKSHAY platform. It covers various aspects of controlling TB using technological innovations. Apart from web-based technology, SMS services have been used effectively for communication with patients and monitoring the programme on day-to-day basis.

Source: [DTE](#)

Q.17) Consider the following pairs

Mission - Asteroid

1. Mission Lucy - Jupiter Trojan asteroids
2. Hayabusa mission - Bennu
3. OSIRIS-REX - Ryugu

Select the correct answer using the codes given below.

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

Correct Answer: B

Explanation:

Pairs 2 and 3 are interchanged.

Mission - Asteroid

1. Mission Lucy - Jupiter Trojan asteroids
2. Hayabusa mission - Ryugu
3. OSIRIS-REX - Bennu

Read more: [Why Nasa is launching robo archaeologist named Lucy](#)

Q.18) With reference to Geospatial Energy map of India, consider the following statements:

1. It provides a holistic picture of all energy resources of the country.
2. Map has been developed by NIC in collaboration with ISRO.

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:** Map has been developed by NITI Aayog and ISRO.

Source: [Article](#)

Q.19) Miniaturization of satellites will lead to which of the following effects?

1. Reduced latency

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2. High resolution images
3. Sustained mass production

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:

Miniaturization of satellites will have following benefits:

- **Reduced Latency:** Smaller satellites orbit closer to the earth and are more flexible than larger ones. Proximity to earth means that the transmission time of data to the base station is faster.
- **Saves Energy:** The energy required to run such satellites is lower.
- **Produce High resolution images:** As camera technology has also miniaturised, the satellites can take much better photos of the earth with higher resolution than large satellites which orbit much higher.
- **Ease of Maintenance:** Since the cost is lower, these can be replaced easily, or their software updated more efficiently.
- **Sustained Mass production:** Miniaturised satellites allow for cheaper designs and advancements in industrial technologies enable their mass production.
- **Better alternative:** Startups develop small satellites that enable space companies to conduct missions that are difficult with large satellites. Moreover, small satellites are well-suited for use in proprietary wireless communications networks, as well as for scientific observation, data gathering, and monitoring the earth using the GPS.

Source: [Article](#)

Q.20) With reference to **Hypersonic glide vehicle (HGV) missiles**, consider the following statements:

1. India at present have an indigenous hypersonic glide vehicle missile.
2. HGVs like ballistic missiles follow a fixed parabolic trajectory.

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:

Both the statements are incorrect.

HGVs are launched on rockets and then orbit the earth at their own speed. They are difficult to track because, unlike ballistic missiles, they “do not follow the fixed parabolic trajectory”.

India at present have no indigenous hypersonic glide vehicle missile. India too is working on hypersonic technologies. In September 2020, DRDO has successfully flight-tested the Hypersonic Technology Demonstrator Vehicle(HSTDV) with a capability to travel at 6 times the speed of sound.

Source: [China tested ‘nuclear capable hypersonic missile’, says report](#)

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Q.21) With reference to **Light-Emitting Diodes**, consider the following statements:

1. These are semiconductor devices that emits light when an electric current is passed through it.
2. In default, all LEDs emit white light.

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: A light-emitting diode (LED) is a semiconductor device that emits light when an electric current is passed through it.

Statement 2 is incorrect: Conventional LED materials cannot emit white light and specialised techniques, such as coating blue LED with yellow phosphor and combining blue, green and red LEDs, have been used to produce white light.

Source: [IIT-Madras researchers design white light emitters for LED applications](#)

Q.22) With reference to **Mastitis**, consider the following statements:

1. Mastitis is an infectious disease condition resulting in an inflammatory reaction in the mammary gland of the cow.
2. These are caused only by the mycoplasma and fungus

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: Mastitis is an infectious disease condition resulting in an inflammatory reaction in the mammary gland of the cow.

Statement 2 is incorrect: There are a variety of microorganism species that are known to cause mastitis. These range from viruses, mycoplasma, fungus and bacteria.

Source: [Indigenous knowledge shared by Gujarat based farmer can combat Mastitis, an ailment of dairy cattle](#)

Q.23) With reference to **Gene-Editing**, consider the following statements:

1. It is the technology which has the ability to change an organism's Deoxy-Ribonucleic Acid (DNA).
2. This allow genetic material to be added, removed, or altered at particular locations in the genome.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2

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d) Neither 1 nor 2

Correct Answer: C

Explanation:

Statement 1 is correct: Genome editing, also called gene-editing, is a group of technologies that give scientists the ability to change an organism's DNA

Statement 2 is correct: These technologies allow genetic material to be added, removed, or altered at particular locations in the genome.

- It involves making cuts at specific DNA sequences with enzymes called '**engineered nucleases**' that can make a double stranded "cut" or a single stranded "nick" in an organism's DNA.
- After the DNA has been cut, a modified piece of DNA similar in sequence to the site of the cut is introduced by the enzyme named DNA ligase enzyme.
- The cell uses the modified piece of DNA as the template to repair the break, filling the break with a copy of the new DNA.

Source: [Gene editing guidelines facing delay](#)

Q.24) With reference to **Genetic Engineering Appraisal Committee**, consider the following statements:

1. It functions under the Ministry of Environment, Forest and Climate Change (MoEF&CC).
2. It is responsible for the appraisal of activities involving large-scale use of hazardous microorganisms and recombinants in research and industrial production.

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.

It functions under the Ministry of Environment, Forest and Climate Change (MoEF&CC).

It is responsible for the appraisal of activities involving large-scale use of hazardous microorganisms and recombinants in research and industrial production from the environmental angle.

The committee is also responsible for the appraisal of proposals relating to the release of genetically engineered organisms and products into the environment including experimental field trials.

Source: [Gene editing guidelines facing delay](#)

Q.25) TW Pictoris sometimes seen in news is a?

- a) Cataclysmic variable star system
- b) A stationary radio telescope
- c) Near Earth object
- d) Anti-satellite weapon system

Correct Answer: A

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Explanation:

- TW Pictoris is a cataclysmic variable system located about 1,400 light-years away in the constellation of Pictor.
- It consists of a white dwarf that feeds from a surrounding accretion disk fuelled by hydrogen and helium from its smaller companion star. As the white dwarf accretes it becomes brighter.

Source: [Indian Express](#)

Q.26) With reference to learning difficulties, consider the following statements:

1. Dyslexia causes problems with reading, writing and spelling.
2. Dysgraphia is a term that refers to trouble with writing.

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.

- Dyslexia is a learning disability causing problems with reading, writing and spelling.
- Dysgraphia is a term referring to trouble with writing

Source: [Article](#)

Q.27) With reference to food fortification, consider the following statements:

1. For rice fortification, Ministry of Consumer Affairs, Food and Public Distribution is the nodal agency.
2. There is no direct link between Anaemia and iron deficiency.

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:

- **Statement 1 is correct:** For rice fortification, Ministry of Consumer Affairs, Food and Public Distribution is the nodal agency. Fortification of milk was started in 2017 under which the National Dairy Development Board of India (NDDB) is pushing companies to add vitamin D.
- **Statement 2 is correct:** There is no direct link between anaemia and iron deficiency. Anaemia is high among poor children in the rural areas but iron deficiency is more among the urban and rich across the country.

Source: [Article](#)

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Q.28) With reference to **Dyscalculia**, consider the following statements:

1. It is a learning disability in math. People with this disease have trouble with math at many levels.
2. Many times, dyscalculia comes with other learning disorders, such as dyslexia or dysgraphia.
3. There are medications available for this disease to boost brain's quantitative ability.

Which of the statements given above is/are correct?

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

Correct Answer: D

Explanation

Statement 1 is correct: It is a learning disability in math. People with this disease have trouble with math at many levels. They often struggle with key concepts like bigger vs. smaller.

Statement 2 is correct: It is more than just difficulty with math. Many times, dyscalculia comes with other learning disorders, such as dyslexia or dysgraphia.

Note: Dyslexia is a language-based learning disability. It causes problems with reading, writing and spelling. Dysgraphia is a term that refers to trouble with writing.

Statement 3 is incorrect: The only way to get a diagnosis is through an evaluation as there is no medication available.

Source: [Understanding dyscalculia and what it's like to live with it](#)

Q.29) With reference to **Agni Missiles V** consider the following statements:

1. It is surface to air ballistic missile.
2. It is fuelled by liquid propellant only.
3. It is capable of carrying a nuclear warhead of about 1.5 tonnes.

Which of the statements given above is/are incorrect?

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

Correct Answer B

Explanation:

About Agni –V Missiles

- Agni-V is the most advanced surface-to-surface indigenously built ballistic missile.
- The missile uses a three-stage solid-fuelled, is capable of striking targets at ranges up to 5,000 km with high degree of accuracy
- Agni-V is a fire and forget missile, which once fired cannot be stopped, except by an interceptor missile.
- It is capable of carrying a nuclear warhead of about 1.5 tonnes.
- It has been developed under the Integrated Guided Missile Development Programme (IGMDP).
- The 5 missiles (P-A-T-N-A) developed under this program: Prithvi, Agni, Trishul, Nag, Akash.

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Source: [TOI](#)

Q.30) Project 1135.6 sometimes seen in news is associated with?

- a) Stealth-guided missile frigates
- b) Anti-Satellite weapon system
- c) Blockchain based decryption technology
- d) Ballistic Missile Defence Interceptor program

Correct Answer: A

Explanation:

- The Talwar-class frigates or Project 11356 are a class of stealth guided missile frigates designed and built by Russia for the Indian Navy

Source: [PIB](#)

Q.31) Varaha, Sajag, Sarthak are sometimes seen in news. These are related to which of the following?

- a) Riverine islands
- b) Frog species
- c) Offshore Patrol Vessels
- d) Attack submarines

Correct Answer: C

Explanation:

Recently, an Offshore Patrol Vessel (OPV), Indian Coast Guard Ship (ICGS) Sarthak has been commissioned and dedicated to the nation at Goa by the Indian Coast Guard.

Other OPVs such as Sajag, Vighraha, Varaha.

Source: [Indian Coast Guard Ship 'Sarthak' dedicated to the Nation](#)

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INTERNATIONAL RELATIONS

Q.1) Ajeya Warrior is a joint military exercise between India and which other country?

- a) France
- b) Belgium
- c) UK
- d) Germany

Correct Answer: c

Explanation:

- It is a joint military exercise and is conducted alternatively in the United Kingdom and India.
- Other joint exercises between India and UK:
 - **Navy:** Konkan
 - **Air Force:** Indradhanush

Source: [Article](#)

Q.2) With reference to **Countering America's Adversaries Through Sanctions Act (CAATSA), consider the following statements:**

1. The Act empower US President to impose sanctions on countries that engage in a significant transaction with only the Russian defence and intelligence sectors.
2. Once imposed, the US President could not waive off the sanctions.

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

Recently, the American Deputy Secretary of State described the S-400 missile deal between India and Russia as dangerous, expressed hope that the India and US could solve the issue amicably.

Statement 1 is correct: The CAATSA Act empowers the US President to impose sanctions against certain countries. The imposition of sanctions take place on countries that engage in a significant transaction with the Russian defence and intelligence sectors. The “ultimate goal” of CAATSA “is to prevent revenue to the Russian Government.

Statement 2 is incorrect: The US President could waive off the sanctions if:

- a. A Country is taking steps to reduce its dealings in terms of Russian weapons purchases or
- b. A Country has better cooperation with the US on other security matters that are critical to the US strategic interests or
- c. If the Russian weapons to the country do not significantly increase the risk to United States defence systems and operational capabilities.

Source: [What is “CAATSA” or Countering America’s Adversaries Through Sanctions Act?](#)

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Q.3) Brasilia Declaration was sometime seen in news. The declaration is related to which of the following sector?

- Protection of women rights.
- Freedom from poverty and Hunger.
- Road Safety.
- Net-Zero emission target.

Correct Answer: C

Explanation:

United Nations Brasilia Declaration: The declaration was adopted at the second global high-level conference on road safety held in Brazil in 2015. It lays down recommendations on strengthening existing legislations, adopting sustainable transport, strengthening the post-crash response, etc. **India** is a **signatory** to the Brasilia Declaration.

Source: [Road accidents can be reduced](#)

Q.4) With reference to **International Consortium of Investigative Journalists (ICIJ)**, consider the following statements?

- It is a non-profit organization consisting of investigative reporters and media organizations around the globe.
- They are responsible for the leak of Panama Papers, Pandora papers and Paradise Papers.

Which of the statements given above is/are correct?

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

Correct Answer: c

Explanation

Both statements are correct.

The International Consortium of Investigative Journalists (ICIJ), a non-profit organization based in **Washington**.

The International Consortium of Investigative Journalists is a global network of more than 280 investigative reporters from more than 100 countries who collaborate on in-depth investigative stories.

The ICIJ is also a partner with more than 100 media organisations, from the world's most renowned outlets, including the BBC, the New York Times, the Guardian, Indian Express from India, etc.

Over the years, ICIJ has released dozens of investigations – including the Panama Papers, Pandora papers, Paradise Papers, etc.

Source: [Pandora Papers and Illegal offshore investments from India – Explained, pointwise](#)

Q.5) With reference to the **Defence Technology and Trade Initiative**, consider the following statements:

- It is an initiative between India and Israel.
- It aims to strengthening India's defence industrial base, exploring new areas of technological development and expanding business ties.

Which of the statements given above is/are correct?

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

Correct Answer: B

Explanation:

In PM's recent US visit, both countries announced steps to deepen industrial cooperation, development of air-launched unmanned aerial vehicles under [Defence Technology and Trade Initiative](#).

About the DTTI:

Statement 1 is incorrect: The Defence Technologies and Trade Initiative (DTTI) mechanism was launched in 2012 between India and the US. It is not a treaty or a law.

Statement 2 is correct: It aims to include strengthening India's defence industrial base, exploring new areas of technological development and expanding U.S.-India business ties. The initiative is led by Undersecretary of Defence for Acquisition and Sustainment from the United States and Secretary for Defence Protection from India.

Source: [Modi visit to US has helped expand economic cooperation](#)

Q.6) JIMEX, is a joint bilateral exercise between India and which of the following country?

- a) Mexico
- b) Jordan
- c) Japan
- d) Malaysia

Correct Answer C

Explanation:

5th edition of India – Japan Maritime Bilateral Exercise, JIMEX, between the Indian Navy (IN) and the Japan Maritime Self-Defence Force (JMSDF), will be held in the **Arabian Sea** from 06 to 08 October 2021.

JIMEX-21 aims to develop a common understanding of operational procedures and enhance inter-operability through the conduct of a multitude of advanced exercises, across the entire spectrum of maritime operations.

Source: [PIB](#)

Q.7) Multidimensional Poverty Index Report, is released by which of the following organisation

- a) International Monetary Fund
- b) World bank
- c) United Nation Development Programme
- d) International Labor Organization

Correct Answer: c

Explanation:

· The report provides estimates on multidimensional poverty for 109 developing countries. Present multidimensional poverty estimates disaggregated by ethnicity and caste for 41 countries to identify who is – and how people are – being left behind. The intrahousehold

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analysis of poverty with a gender focus. It revealed how multidimensional poverty could amplify the impacts of COVID-19 shocks, hurting education, employment and livelihood.

Q.8) With reference to **Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR)**, Consider the following statements:

1. The Commission manage Antarctic fisheries to preserve species diversity and stability of the entire Antarctic marine ecosystem.
2. India is not a member of the CCAMLR.
3. CCAMLR members will declare the Marine Protected Areas in Antarctic.

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

Correct Answer: C

Explanation

Statement 1 is correct: CCAMLR is an international treaty to manage Antarctic fisheries to preserve species diversity and stability of the entire Antarctic marine ecosystem. It came into force in April 1982.

Statement 2 is incorrect: India has been a permanent member of the CCAMLR since 1986. Work pertaining to the CCAMLR is coordinated in India by the Ministry of Earth Sciences through its attached office, the Centre for Marine Living Resources and Ecology (CMLRE) in Kochi, Kerala.

Statement 3 is correct: Since 2009, CCAMLR members have developed proposals for MPAs for various regions of the Southern Ocean. CCAMLR's scientific committee examines these proposals. After CCAMLR members agree upon them, elaborate conservation measures will be set out by CCAMLR.

Source: [India extends support for protecting the Antarctic environment and for designating East Antarctica and the Weddell Sea as Marine Protected Areas \(MPAs\)](#)

Q.9) with reference to **UN Food System Summit**, consider the following statements:

1. It is the first ever food summit held in New York.
2. India is not a member of this summit.

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 Source: A

Explanation

Statement 1 is correct: United Nations Food System Summit took place in New York. In this summit, leaders emphasized that there is a need to achieve the United Nations-mandated Sustainable Development Goals (SDG) by 2030 and address climate change in view of food production.

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Statement 2 is incorrect: India is a member of this summit. India **constituted an inter-departmental group** with representatives from the Ministries of Agriculture and Farmers' Welfare, Rural Development, and other agencies. This group conducted national dialogues with various stakeholders of agri-food systems to explore national pathways towards creating sustainable and equitable food systems in India.

Source: [United Nations Food Systems Summit: Need to transform food systems](#)

Q.10) State of the Education Report (SOER) for India: "No Teachers, No Class" report is released by which of the following organization/body?

- NITI Aayog
- Department of School Education and Literacy
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- National Council of Educational Research and Training (NCERT)

Correct Answer: C

Explanation

United Nations Educational, Scientific and Cultural Organization (UNESCO) has recently released its 2021 State of the Education Report (SOER) for India: "No Teachers, No Class". It is an annual flagship report of UNESCO India. So far, two editions have been released in the past and this is the third edition of the State of Education Report.

The UNESCO analysed two data sets for the preparation of the report. These are the Unified District Information System for Education (UDISE+) 2018-19 round and the Periodic Labour Force Survey 2018-19.

Source: India's school system faces acute shortage of teachers, says UNESCO report

Q.11) Which of the following countries participate in the multilateral maritime defense exercise Malabar along with India?

- Japan
- Australia
- USA

Select the correct answer from the codes given below:

- 1 and 2 only
- 2 and 3 only
- 1 and 3 only
- 1, 2 and 3

Correct Answer: d

Explanation

- Malabar is held between Japan Maritime Self Defence Force (JMSDF), Royal Australian Navy (RAN) and the United States Navy (USN).

Source: [Article](#)

Q.12) With reference to High Ambition Coalition, consider the following statements:

- It aims to promote an international agreement to protect at least 30 % of the of world's land and ocean by 2030 (30×30 target).
- India is the first BRICS country to join the High Ambition Coalition.

Which of the statements given above is/are correct?

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

Correct Answer: C

Explanation:

Statement 1 is correct: The High Ambition Coalition for Nature and People was initiated at the “One Planet Summit” in Paris in January 2021. The coalition **aims** to promote an international agreement **to protect at least 30 % of the of world’s land and ocean by 2030** (30×30 target).

Statement 2 is correct: At present, the group has more than 70 countries encouraging the adoption of the global goal to protect 30×30. The members of HAC currently include a mix of countries in the global north and south. These include European, Latin American, Africa and Asia countries are among the members.

India is the first BRICS country to join the HAC.

Source: [India Joins High Ambition Coalition \(HAC\) for Nature and People](#)

Q.13) With reference to **E-2025 Initiative**, consider the following statements:

1. It is a consortium of 110 companies globally.
2. These companies have pledged to become completely reliant on electric vehicles for operational needs by the year 2025.

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:

Both the statements are incorrect. (Both the statements were about EV-100 initiative not E-2025 initiative)

The E-2020 initiative was launched by WHO in 2017. Building on the successes of the E-2020, WHO has launched the E-2025 initiative. As part of this initiative, WHO has identified 25 countries that have the potential to eliminate malaria within a 5-year timeline.

Source: [Malaria Vaccine and India's Malaria burden - Explained, pointwise](#)

Q.14) **Tiger Triumph** is a tri-service military exercise between India and which other country?

- a) USA
- b) France
- c) Germany
- d) UK

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Correct Answer: A

Explanation

- **Tiger Triumph**- It is a tri-service military exercise between India and the US.

Source: [Article](#)

Q.15) With reference to **Global Minimum Corporate Tax**, consider the following statements:

1. It will cover firms with global sales above 20 bn Euros (\$23 billion) and profit margins above 10%.
2. Recently 136 countries agreed to enforce a pact to impose a minimum corporate tax rate of 15%. India is yet to join this group.

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: It will cover firms with global sales above 20 bn Euros (\$23 billion) and profit margins above 10%. A quarter of any profits above 10% is proposed to be reallocated to the countries where they were earned and taxed there.

Statement 2 is incorrect: India with another 135 countries agreed to enforce a pact to impose a minimum corporate tax rate of 15%, and an equitable system of taxing profits of big companies in markets where they are earned. Kenya, Nigeria, Pakistan and Sri Lanka have not yet joined the deal.

Source: [Taxing big tech where it earn profits](#)

Q.16) With reference to **Conference on Interaction and Confidence-Building Measures (CICA)**, consider the following statements:

1. To be a member of CICA, a state must have at least a part of its territory in Asia.
2. The idea of convening CICA was first proposed by 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

Correct Answer: A

Explanation:

- **Statement 1 is correct**
- **Statement 2 is incorrect:** The idea was first proposed by the 1st President of Republic of Kazakhstan in 1992 at th 47th session of UN General Assembly.

Source: [Article](#)

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Q.17) Green Grids-One Sun One World One Grid initiative will be launched by India and which of the following country?

- a) The USA
- b) France
- c) Japan
- d) The UK

Correct Answer: D

Explanation:

In May 2021, the United Kingdom and India have agreed to jointly launch the Green Grids-One Sun One World One Grid initiative at the COP26 summit being hosted by the UK at Glasgow in November 2021. The concept of OSOWOG is what the UK has called a green grid.

Source: [Green Grids Initiative-One Sun One World One Grid Northwest Europe Cooperative Event](#)

Q.18) World Energy Outlook report is released by which of the following organisation?

- a) World Energy Council
- b) International Energy Forum
- c) International Energy Agency
- d) International Renewable Energy Agency

Correct Answer: C

Explanation

The International Energy Agency (IEA) has published its World Energy Outlook 2021 (WEO) report. The goal of the report is to assess progress made by countries on their clean energy transitions ahead of the 26th Conference of Parties meeting in Glasgow next month.

Investment in Clean Energy: The report mentioned that to achieve the Paris Agreement's 1.5-degree goal, investments in clean energy must reach \$4 trillion by 2030, 70% of which will focus on developing countries.

Source: [Global energy transition too slow, needs a 'low emissions revolution': IEA](#)

Q.19) With reference to Global Climate Risk Index, consider the following statements:

1. It is launched by international environment think tank **Germanwatch**.
2. It analyzes the extent to which a country has been impacted by weather-related loss events.

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

About Global Climate Index 2021: German watch, the Germany-based think tank, released the Global Climate Risk Index,2021.

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- **Data Sources:** The index is prepared based on the data from the **Munich Re NatCatSERVICE11**. The data is identified as one of the most reliable and complete databases worldwide, on this matter. Other than that, It also uses **Socio-Economic data from the International Monetary Fund (IMF)**.
- **Functions:** It analyses quantified impacts of extreme weather events. This analysis is presented **both in terms of fatalities and economic losses**, due to extreme weather events.
- **India:** ranked at 7th Position in Climate Risk Index 2021. It means India is the 7th worst-hit country by extreme weathers. In 2020, India ranked 5th on the index.

Source: [TheHindu](#)

Q.20) Global TB report is released by which of the following organisation?

- a) World Health Assembly
- b) World Health Organization (WHO)
- c) Health For All
- d) Doctors Without Borders/Médecins Sans Frontières (MSF)

Correct Answer: B

Explanation:

World Health Organization (WHO) released “Global TB report” which stated that the world suffered huge reverses in progress towards tuberculosis (TB) elimination in 2020, due to COVID-19 pandemic. India has been the worst-hit.

But India also contributed the biggest drop in detection of new cases. Some 41% of the total number of cases that dropped in 2020, as compared to 2019, came from India.

Read more: [COVID-19 reverses decades of progress in TB elimination, India worst-hit: WHO](#)

Q.21) With reference to Global Hunger Index, consider the following statements:

1. India’s score on the Global Hunger Index (GHI) in the recent two decades has declined by 10 points.
2. Globally, India ranked among the worst in ‘child wasting’ or ‘weight for height’.

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.

India’s score on the Global Hunger Index (GHI) in the recent two decades has declined by 10 points. It slipped to 28.8 in 2021, from 38.8 in 2000.

Globally, India ranked among the worst in ‘child wasting’ or ‘weight for height’. Its performance was worse than Djibouti and Somalia.

Read more: [India slips 7 spots to rank 101 among 116 countries on Global Hunger Index](#)

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Q.22) With reference to **International Energy Agency**, consider the following statements:

1. It was established based on the framework of the Organisation for Economic Co-operation and Development (OECD).
2. The IEA releases World Energy Outlook.
3. India is a fulltime member of IEA.

Which of the statements given above is/are correct?

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

Correct Answer: D

Explanation:

Statement 1 is correct: It was established in the framework of the Organisation for Economic Co-operation and Development (OECD) in 1974 in the wake of the 1973 oil crisis.

Statement 2 is correct: IEA is best known for the publication of its annual World Energy Outlook.

Statement 3 is incorrect: Recently, the International Energy Agency (IEA) has invited India to become its full-time member. If accepted, India will have to raise strategic oil reserves to 90 days' requirement.

Source : [Economic Times](#)

Q.23) Exercise Yudh Abhyas, a military exercise, is held between India and which of the following country:

- a) Russia
- b) USA
- c) Sri Lanka
- d) Indonesia

Correct Answer B

Explanation:

Statement b is correct: Exercise Yudh Abhyas is the largest running joint military training and defence cooperation endeavor between India and the USA. The exercise was started in 2004 under the US Army Pacific Partnership Program. The exercise is hosted alternately between both countries. The exercise aims at enhancing understanding, cooperation and interoperability between two Armies.

Source: [Indian Army Contingent Departs for 17th Edition of Indo-US Joint Military Exercise "Ex Yudh Abhyas 2021" at Joint Base Elmendorf – Richardson, Alaska\(USA\)](#)

Q.24) With reference to **International Finance Corporation (IFC)**, consider the following statements:

1. IFC offers investment, advisory, and asset management services to encourage private sector development in developing countries.
2. The IFC is owned and governed by the OECD officials.
3. It is a member of the World Bank Group and is headquartered in Washington, D.C., United States.

Which of the statements given above is/are correct?

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

Correct Answer: A

Explanation:

The IFC has a stake in Federal Bank Ltd. Recently, the IFC demanded that India's 7th largest commercial bank should put a stop to coal financing.

Statement 1 is correct: IFC offers investment, advisory, and asset management services to encourage private sector development in developing countries.

Statement 2 is incorrect: The IFC is owned and governed by its member countries, but has its own executive leadership and staff that conduct its normal business operations.

Statement 3 is correct: It is a member of the World Bank Group and is headquartered in Washington, D.C., United States.

Source: [Down To Earth](#)

Q.25) With reference to **Exercise Cambrian Petrol**, consider the following statements:

1. It is held annually by USA army.
2. Indian Army won the gold medal under this exercise.

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 organized by the UK Army. It is considered as the ultimate test of human endurance, team spirit and is sometimes referred to as the Olympics of Military Patrolling among militaries in the world.

Statement 2 is correct: A team from Gorkha Rifles (Frontier Force) which represented the Indian Army at the prestigious Cambrian Patrol Exercise at Brecon, Wales, UK has been awarded a Gold medal.

Source: [INDIAN ARMY TEAM WINS GOLD MEDAL IN EXERCISE CAMBRIAN PATROL ORGANISED AT BRECON, WALES \(UK\)](#)

Q.26) With reference to **Henley Passport Index**, consider the following statements:

1. It is the ranking of world's passport according to the number of destinations their holders can visit without a prior visa.
2. Ranking is based on data provided by International Air Transport Association.

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

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Correct Answer C

Explanation:

Statement 1 is correct: Henley Passport Index (HPI) was started in 2006 as Henley & Partners Visa Restrictions Index (HVRI) and was modified and renamed in January 2018. The index ranks the passports of countries according to the number of destinations their holders can visit without a prior visa.

Statement 2 is correct: The rankings are based on the analysis of data provided by the International Air Transport Association (IATA).

Source: [World's most powerful passports as per Henley's Index; India at 90th spot](#)

Q.27) Washington Consensus sometimes seen in news is related to?

- a) Carbon neutrality targets
- b) Prevention of nuclear proliferation
- c) Permanent membership of Security Council
- d) Free market economy

Correct Answer: D

Explanation:

- The Washington Consensus refers to a set of broadly free market economic ideas, supported by prominent economists and international organizations, such as the IMF, the World Bank, the EU and the US. It was drawn from the advice of John Williamson

Source: [Article](#)

Q.28) With reference to Earth shot Prize, consider the following statements:

1. The award is also called as the "Eco Oscars".
2. It is an award set up by Prince William and the Royal Foundation.
3. The award recognizes nations alone for developing for developing solutions to fight the climate crisis.

Which of the statements given above is/are correct?

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

Correct Answer: D

Explanation:

Statement 1 is correct: The award is also called as the "Eco Oscars".

Statement 2 is correct: It is an award set up by Prince William and the Royal Foundation.

Statement 3 is incorrect: The objective of the award is to honour five finalists between 2021 and 2030 for developing solutions to fight the climate crisis.

Delhi-based company Takachar is one among five winners of the first-ever Earth shot Prize. They won the prize in the "Clean Our Air" category for their technology to create fuel, fertiliser and other speciality chemicals from agricultural waste.

Source: [Delhi company bags 'Eco Oscar' for clean-air technology](#)

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Q.29) Which of the following countries are members of **Abrahamic Accord**:

- a) Qatar, UAE and Bahrain
- b) Israel, Palestine and USA
- c) Iran, Israel and Saudi Arabia
- d) Israel, UAE and Bahrain

Correct Answer D

Explanation:

Statement d is correct: The Abraham Accord between Israel, the United Arab Emirates, and Bahrain is mediated by the USA. It is the first Arab-Israeli peace deal in 26 years.

Significance of this accord: The agreement shows how the Arab countries are gradually decoupling themselves from the Palestine question.

- Palestine was among former Ottoman territories placed under UK administration by the League of Nations in 1922. All of these territories eventually became fully independent States, except Palestine.
- Full diplomatic ties will be established between Israel, the United Arab Emirates and Bahrain which will have a positive impact on the entire region.
- The deal buys UAE a lot of goodwill in the US, where its image has been tarnished by its involvement in the

Q.30) Which of the following countries are members of OPEC+?

- 1. Russia
- 2. Mexico
- 3. Oman
- 4. Kazakhstan
- 5. Azerbaijan

Select the correct answer from the codes given below:

- a) 1, 2, 3
- b) 1, 2, 4, 5
- c) 2, 3, 5
- d) 1, 2, 3, 4, 5

Correct Answer: D

Explanation

All countries are members of OPEC+.

- OPEC plus countries include **Azerbaijan**, Bahrain, Brunei, **Kazakhstan**, Malaysia, **Mexico**, **Oman**, **Russia**, South Sudan and Sudan.

Source: [Article](#)

Q.31) With reference to **Troika Plus**, consider the following statements:

- 1. It is the meeting led by US, Russia, China and Pakistan on Afghanistan peace process along with Afghanistan representatives.
- 2. India is also the member of Troika Plus.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2

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d) Neither 1 nor 2

Correct Answer: A

Explanation

Statement 1 is correct: Troika-plus-Pakistan meeting involves consultations between the US, Russia, China, Pakistan along with the representatives of the Afghanistan government, Taliban, and other senior Afghan leaders. It aims to reduce the level of violence and to end the armed conflict in Afghanistan.

Statement 2 is incorrect: India is not the member of this meeting.

Source: [Is the Indian foreign-policy ship changing course?: About India-Afghanistan relations](#)

Q.32) With reference to Rapid Alert System for Food and Feed (RASFF), consider the following statements:

1. It is a notification system operated by the Food and Agriculture Organisation.
2. Vital information exchanged through RASFF can lead to products being recalled from the market.

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: RASFF is operated by European Commission.
- Statement 2 is correct

Source: [Article](#)

Q.33) With reference to Financial Action Task Force, consider the following statements:

1. It is an inter-governmental body established by G20 Countries.
2. Its Secretariat is located at the Organisation for Economic Cooperation and Development (OECD) headquarters in Paris.

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: FATF is an inter-governmental body established in 1989 during the G7 Summit in Paris.

Statement 2 is correct: Its Secretariat is located at the Organisation for Economic Cooperation and Development (OECD) headquarters in Paris.

Source: [The Hindu](#)

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Q.34) Exercise Konkan Shakti is a tri-services joint exercise between India and which other country?

- a) UK
- b) France
- c) Germany
- d) USA

Correct Answer: A

Explanation:

- It is the first ever tri-services joint exercise between India and UK.

Source: [Article](#)

Q.35) With reference to OSOWOG initiative, consider the following statements:

1. The idea for this initiative was proposed in the first assembly session of the International Solar Alliance (ISA).
2. One of its aims is to build and scale interregional energy grids.

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 concept of the OSOWOG Initiative was first outlined at the First Assembly of the ISA in late 2018.

- **Aim:** It envisions building and scaling interregional energy grids to share solar energy across the globe, leveraging the differences of time zones, seasons, resources, and prices between countries and regions.
- **Benefits:** The initiative will help de-carbonise energy production, which is today the largest source of global greenhouse gas emissions.

Source: [Article](#)

Q.36) In which of the following geographical regions Small Island Developing States (SIDS) are located?

1. Indian Ocean
2. South China Sea
3. Atlantic Ocean

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

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Correct Answer: D

Explanation

- SIDS are located in the Caribbean, the Pacific, and the Atlantic, Indian Ocean and South China Sea (AIS).

Source: [Article](#)

Q.37) With reference to **Ashgabat Agreement**, consider the following statements:

1. It is an international transport and transit corridor facilitating transportation of goods between Central Asia and the Persian Gulf.
2. India is not a part of this agreement.

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: Ashgabat Agreement is an international transport and transit corridor facilitating transportation of goods between Central Asia and the Persian Gulf. The Ashgabat Agreement aims to develop the shortest trade route between Central Asian countries and Iranian and Omani ports.

Statement 2 is incorrect: The multimodal transport agreement signed by the governments of **Kazakhstan, Uzbekistan, Turkmenistan, Iran, Pakistan, India and Oman.**

Source: [TheHindu](#)

Q.38) **Nagorno-Karabakh conflict**, is in which of the following countries:

- a) Turkmenistan and Kazakhstan
- b) UK and France
- c) Israel and Palestine
- d) Azerbaijan and Armenia

Correct Answer D

Explanation:

Statement d is correct: Nagorno-Karabakh is a disputed territory internationally recognized as part of Azerbaijan but mostly governed by the Republic of Artsakh, de facto independent state with an Armenian ethnic majority backed by neighboring Armenia.

Source: [TheHindu](#)

Q.39) With reference to **Infrastructure for Resilient Island States (IRIS)**, consider the following statements:

1. It is an initiative of India, Japan and the US.
2. Under this initiative, the member countries have committed an initial funding of \$10 million.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only

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

Correct Answer: B

Explanation

Statement 1 is incorrect: India along with Australia, the UK and small island developing states(SIDS) will be launching a new initiative named “IRIS (Infrastructure for Resilient Island States)” on the sidelines of the upcoming Conference of Parties (COP26) in Glasgow, UK.

Statement 2 is correct: The IRIS initiative is aimed at creating a coalition for putting in place infrastructure that can withstand disasters and lessen economic losses in island nations. Under this initiative, Australia, India and the UK have committed an initial funding of \$10 million. More countries including Japan are expected to contribute to the initiative.

Source: [India, UK, Australia to launch IRIS at COP26](#)

Q.40) With reference to **Partnership on New Industrial Revolution (PartNIR)**, consider the following statements:

1. It is an initiative of G20 countries.
2. The partnership will focus on Maximising the opportunities arising from the fourth industrial revolution.

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: Partnership on New Industrial Revolution(PartNIR) is a programme of partnership among BRICS nations

Statement 2 is correct: The partnership will focus on Maximising the opportunities arising from the fourth industrial revolution.

Source: [Minister of State for Communications chairs 7th Meeting of BRICS Communications Ministers](#)

Q.41) Which of the following countries are members of G7:

- a) Germany, USA, China and UK
- b) Italy, UK, India and Australia
- c) Canada, UK, USA and Russia
- d) Italy, Japan, France and Germany

Correct Answer D

Explanation

Statement d is correct: G7 currently consists of **US, UK, Germany, Japan, Italy, France and Canada**. The major purpose of the G-7 currently is to discuss and sometimes act to help resolve global problems, with a special focus on economic issues. The group has discussed financial crises, monetary systems, and major world crises such as oil shortages.

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Source: [G7 countries reach breakthrough on digital trade and data](#)

Q.42) Greenhouse Gas Bulletin Report, is released by which of the following organization:

- a) Indian Meteorological Department (IMD)
- b) International Panel for Climate Change (IPCC)
- c) World Meteorological Organization (WMO)
- d) Green Peace

Correct Answer C

Explanation:

Statement c is correct: The World Meteorological Organization (WMO) has released its Greenhouse Gas Bulletin Report ahead of COP26 in Glasgow, UK.

Source: [CO2 emissions in 2020 above decadal average](#)

Q.43) Changing Wealth of Nations report is released by which of the following?

- a) IMF
- b) WB
- c) UNDP
- d) WEF

Correct Answer: B

Explanation

- Changing wealth of nations report is released by the World Bank

Source: [DTE](#)

Q.44) Climate Vulnerability Index, released by which of the following organization?

- a) International Panel on Climate Change (IPCC)
- b) Green Peace
- c) Council on Energy, Environment and Water (CEEW)
- d) World Meteorological Organization (WMO)

Correct Answer C

Explanation:

Statement c is correct: Council on Energy, Environment and Water (CEEW) has released its first-of-its-kind district-level climate vulnerability assessment or Climate Vulnerability Index (CVI). The index has analyzed 640 districts in India and found that 463 of these are vulnerable to extreme floods, droughts and cyclones etc.

Source: [Indan Express](#)

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Environment - BIO-DIVERSITY AND CONSERVATION – Conservation

Q.1) With reference to **Flyways**, consider the following statements.

1. Geographically, 3 global flyways pass through India.
2. Bonn Convention is the only global convention specializing in the conservation of migratory species and their Flyways.

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.

A flyway is a geographical region within which a single or a group of migratory species completes its annual cycle – breeding, moulting, staging and non-breeding.

Central Asian Flyway (CAF), East Asian Australasian Flyway and Asian East African Flyway are the three flyways pass through India.

Convention on Migratory Species (CMS) or the Bonn Convention: It is an intergovernmental treaty, concluded under the aegis of UNEP. It was signed in 1979 in Bonn, Germany, and entered into force in 1983. It is the only global convention specializing in the conservation of migratory species, their habitats and migration routes.

Source: [Two day meeting of 30 range countries of Central Asian Flyway begins](#)

Q.2) With reference to **S-400 Triumph Missile**, consider the following statements:

1. It is a mobile, surface-to-air missile system (SAM) designed by Russia.
2. It can engage all types of aerial targets including aircraft, unmanned aerial vehicles (UAV) and ballistic and cruise missiles within the range of 400km.

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

Statement 1 is correct: S-400 Triumph Missile: It is a mobile, surface-to-air missile system (SAM) designed by Russia.

Statement 2 is correct: It is capable of firing three types of missiles to create a layered defence. The system can engage all types of aerial targets including aircraft, unmanned aerial vehicles (UAV) and ballistic and cruise missiles within the range of 400km, at an altitude of up to 30km. It can track 100 airborne targets and engage six of them simultaneously.

Source: [U.S. expresses unease over S-400 deal](#)

Q.3) With reference to **Wetlands of India portal**, consider the following statements:

1. The project is commissioned under the International Climate Initiative (IKI).

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2. Registered citizens can opt to take the pledge to become wetland mitra.

Which of the above statements 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.

- The portal is a dynamic system for processing information and making it available to the stakeholders in an efficient and accessible manner. The portal also hosts capacity building material, data repository, videos and information for students. Importantly, a dashboard for each State and UT has been developed to access the portal and populate it with information of wetlands in their administration.
- Currently citizens can register themselves and upload wetland related pictures across different themes. Importantly, registered citizens can opt to take the pledge to become wetland mitra and indicate their State/UT and areas of interest. This information would allow States and UTs to contact interested persons for various programs and initiatives.
- The portal has been developed under a Technical Cooperation project “Wetlands Management for Biodiversity and Climate Protection” (Wetlands Project) of Ministry of Environment, Forest and Climate Change (MoEFCC) in partnership with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH. The project is commissioned by the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU) under the International Climate Initiative (IKI).

Source: [Article](#)

Q.4) Mitra Shakti is a joint bilateral exercise between India and which other country?

- a) Thailand
- b) Sri Lanka
- c) Nepal
- d) Malaysia

Correct Answer: b

Explanation

- Mitra Shakti exercise is a bilateral joint military exercise between armies of India and Sri Lanka.

Source: [Article](#)

Q.5) With reference to Bonn convention, consider the following statements:

1. It is the only global convention specializing in the conservation of migratory species.
2. Appendix I includes migratory species requiring international cooperation.

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

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Correct Answer: b

Explanation:

- **Statement 1 is correct:** It is the only global convention specializing in the conservation of migratory species, their habitats and migration routes.
- **Statement 2 is incorrect:** Migratory species that need or would significantly benefit from international co-operation are listed in Appendix II of the Convention

Source: [Article](#)

Q.6) With reference to PM MITRA parks, consider the following statements:

1. Only greenfield sites will be chosen for setting up parks under the scheme.
2. Parks will be developed by a Special Purpose Vehicle which will be owned by State and central governments in a Public Private Partnership (PPP) Mode.

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: a

Explanation

- **Statement 1 is incorrect:** The Mega Integrated Textile Region and Apparel Parks (PM MITRA) (पीएम मित्र) will be setup at Greenfield / Brownfield sites located in different willing States.
- **Statement 2 is correct:** PM MITRA (पीएम मित्र) park will be developed by a Special Purpose Vehicle which will be owned by State Government and Government of India in a Public Private Partnership (PPP) Mode

Source: [Article](#)

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

1. The species is limited to Eastern and Western Ghats in India.
2. It is listed as Schedule II species under the Wildlife (Protection) Act, 1972

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 dhole or Asiatic Wild Dog (*Cuon alpinus*) is found in three clusters across India namely the Western and Eastern Ghats, central Indian landscape and North East India.
- **Statement 2 is correct:** It is a Schedule II species under the Wildlife (Protection) Act, 1972.

Source: [Article](#)

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Q.8) With reference to **Current Emissions**, consider the following statements:

1. China has the highest per capita emissions, followed by India.
2. India ranked third in total Greenhouse emissions in the world.

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: Per capita emissions: US has the highest per capita emissions (15.24 Tonnes), followed by Russia (11.12 Tonnes). India's per capita emissions is just 1.8 Tonnes, significantly lower than the world average of 4.4 Tonnes per capita.

Statement 2 is correct: According to the Global Carbon Atlas, India ranks third in total greenhouse gas emissions by emitting annually around 2.6 billion tonnes (Bt) CO₂eq. China and US are in top positions in this case.

Source: [India needs a carbon policy for agriculture](#)

Q.9) *Platyomia kohimaensis*, *Chremistica ribhoi* sometimes seen in news are a species belonging to which of the following categories?

- a) Insects
- b) Birds
- c) Reptiles
- d) Fish

Correct Answer: A

- These are Cicadas, which are hemipteran insects known for their loud, complex and species-specific acoustic signals or songs.

Source: [Article](#)

Q.10) With reference to Cicadas, consider the following statements:

1. They act as an indicator of a healthy ecosystem.
2. They are known for their loud, complex and species-specific acoustic signals or songs.

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.

- Cicadas are **hemipteran insects**. They are known for their loud, complex and species-specific acoustic signals or songs.

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- **Habitat:** Most cicadas are canopy dwellers and are **found in natural forests with large trees**. They act as **indicators of a healthy forest ecosystem**. They occur more in areas around undisturbed bamboo groves.

Source: [Article](#)

Q.11) Kunming Declaration, in news, is related to which of the following:

- a) Biodiversity Conversation
- b) Climate Change
- c) Cyber Security
- d) Disaster Reduction

Correct Answer A

Explanation:

Statement a is correct: The document calls on parties to focus biodiversity protection in decision-making and recognize the importance of conservation in protecting human health.

Source: [DTE](#)

Q.12) With reference to **flower scorpionfish**, consider the following statements:

1. It belongs to the order of ray-finned fish that is also known as Scorpaeniforme.
2. This fish species is found only in the Pacific 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

Correct Answer: A

Explanation:

Researchers have discovered a unique, lesser-known fish species named Hoplosebastes Armatus in the Indian Ocean. This fish species was till now thought to be found only in the Pacific Ocean.

Statement 1 is correct: Hoplosebastes Armatus is also known as the flower scorpionfish. It belongs to the order of ray-finned fish that is also known as Scorpaeniforme.

Statement 2 is incorrect: This fish was first discovered in the Pacific Ocean off Japan almost a century ago in 1929. The species has now been found in the Indian Ocean in Digha, West Bengal and Paradip in Odisha.

Source: [Fish species found only in the Pacific, discovered in the Bay of Bengal](#)

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Q.13) With reference to **Ecological Threat Report (ETR)**, consider the following statements:

1. This is the first edition of the report and it assess only the natural disasters.
2. The report is released by the Institute for Economics & Peace.

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 is the second edition of the Ecological Threat Report (ETR), which analyses 178 independent states and territories. The report assesses threats relating to food risk, water risk, rapid population growth, temperature anomalies and natural disasters.

Statement 2 is correct: Institute of Economics and Peace (IEP), an international think tank has released the “Ecological Threat Report (ETR) 2021”. IEP is one of the world’s leading think tanks headquartered in Sydney, Australia. It also releases reports such as the Global Peace Index and Global Terrorism Index.

Source: [Around 1.3 billion people at high risk of conflict and displacement: Report](#)

Q.14) Manas National Park is situated in which of the following states?

- a) Assam
- b) Meghalaya
- c) Arunachal
- d) Sikkim

Correct Answer: A

Explanation:

- Manas NP is located in Assam.

Source: [Article](#)

Q.15) Allium negianum sometimes seen in news is a species of?

- a) Onion
- b) Fish
- c) Ginger
- d) Frog

Correct Answer: A

Explanation

- It is a species of Onion discovered recently from Uttarakhand.

Source: [Article](#)

Q.16) With reference to **Bengal florican**, consider the following statements:

1. It is listed as Endangered under the IUCN status.
2. It Is protected under Schedule-I of Indian Wildlife Protection Act 1972.

Which of the statements given above is/are correct?

- a) 1 only

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

Correct Answer: B

Explanation

Statement 1 is incorrect: Bengal floricans (*Houbaropsis bengalensis*) are also called Bengal bustards. They inhabit lowland dry, or seasonally inundated, natural and semi-natural grasslands often interspersed with scattered scrub or patchy open forest.

IUCN Status: Critically Endangered

Indian Wildlife Protection Act, 1972: Schedule-I

Convention on Migratory Species (CMS): Appendix 1

Source: [Development projects threaten Bengal florican habitat in Assam](#)

Q.17) D'Ering Wildlife Sanctuary, is situated in which of the following state:

- a) Assam
- b) Arunachal Pradesh
- c) Meghalaya
- d) Tripura

Correct Answer B

Statement B is correct: D'Ering Memorial Wildlife Sanctuary is a protected area in Arunachal Pradesh

Source: [Development projects threaten Bengal florican habitat in Assam](#)

Q.18) Georissa mawmaiensis sometimes seen in news is a species of?

- a) Snail
- b) Fish
- c) Butterfly
- d) Frog

Correct Answer: A

Explanation

- It is a micro snail species discovered in Meghalaya.

Source: [DTE](#)

Q.19) The production gap report is released by which of the following?

- a) UNFCCC
- b) IEA
- c) UNEP
- d) IRENA

Correct Answer: C

Explanation:

- Production Gap Report is released by leading research institutes and the UN Environment Programme (UNEP)

Source: [DTE](#)

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Q.20) With reference to Arctic and Antarctic, consider the following statements:

1. There are no Polar Bears in Arctic region.
2. There are no Penguins in Antarctic region.

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:

Both are incorrect.

Statements are interchanged.

Reasons for No Polar Bear in Antarctica: The main reasons there are no polar bears in Antarctica are evolution, location and climate. Bears evolved on the planet after Antarctica broke away (Plate Tectonics) from the other continents, and after that they had no easy way of getting there.

Reasons for No Penguins in Arctic: In the North Pole, predators such as polar bears and arctic foxes would limit their survival. There is no water in the north pole for them to hunt because the ice is so thick. Even if there was a hole in the ice, the penguins cannot get back up through the hole they went down in.

Further, migrating through warmer waters to reach the northern and southern hemisphere is almost impossible for penguins and polar bears respectively and could prove fatal for them.

Source: [Arctic melt: will polar bears vanish by 2100?](#)

Q.21) With reference to Central Water Commission (CWC), consider the following statements:

1. It works as an attached office of Ministry of Jal Shakti.
2. It handles issues related to both surface water and ground water 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

Correct Answer: A

Explanation

- **Statement 1 is correct**
- **Statement 2 is incorrect:** CWC deals with only surface water. Central Groundwater Board (CGWB) handles ground water.

Source: [Article](#)

Q.22) *Aborichthys uniobarensis*, *Aborichthys barapensis* and *Aborichthys palinensis* some times seen in news belong to which of the following species?

- a) Fish
- b) Butterfly
- c) Frog

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d) Eel

Correct Answer: A

Explanation

- These are new species of fish discovered in Arunachal Pradesh.

Source: [DTE](#)

Q.23) With reference to Plastic pollution, consider the following statements:

1. The main sources of marine litter and plastic pollution are land-based.
2. Plastic has the capability to alter global carbon cycling.

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:** The main sources of marine litter and plastic pollution are land-based. Approximately 7,000 million of the estimated 9,200 million tonnes of cumulative plastic production between 1950 and 2017 became plastic waste.
- **Statement 2 is correct:** Plastic can also alter global carbon cycling through its effect on plankton and primary production in marine, freshwater and terrestrial systems.

Source: [Article](#)

Q.24) Debrigarh Wildlife Sanctuary as seen in news is located in which of the following states?

- a) Assam
- b) Odisha
- c) Jharkhand
- d) Bihar

Correct Answer: B

Explanation

- Debrigarh WLS is located in Odisha.

Source: [Article](#)

Q.25) With reference to Asiatic Cheetah, consider the following statements:

1. It is listed as Endangered under the IUCN (International Union for Conservation of Nature) list.
2. It is officially declared extinct 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

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Correct Answer: B

Explanation

Statement 1 is incorrect: It is listed as Critically Endangered under the IUCN list.

Statement 2 is correct: Asiatic Cheetah were wiped out in India by Hunting, a gradual decline in prey base and habitat destruction. The last cheetah was shot in 1947 and animal was officially declared extinct in India in 1952.

Source: [LiveMint](#)

Q.26) Namdhapa Tiger Reserve, as seen in news is located in which of the following states?

- a) Manipur
- b) Tripura
- c) Arunachal Pradesh
- d) Mizoram

Correct Answer C

Explanation

Statement c is correct: It is India's easternmost tiger reserve. It is located in the Changlang district of Arunachal Pradesh near the international border with Myanmar. The area is located between Dapha Bum ridge of Mishmi Hills, outspurs of North Eastern Himalayas and Patkai Ranges.

Source: [Save hornbills, for they are the gardeners of tropical forests: Study](#)

Q.27) With reference to polar ice caps, consider the following statements:

1. Antarctic marine ice has 500 times more iron than the ice above it.
2. Melting permafrost releases Methane into the atmosphere.

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.

- The Antarctic is greening because of the irreversible melting of sea ice, which is green in color. In 2016, it was discovered that marine ice has 500 times more iron than the ice above it. This iron comes from the rocks under the Antarctic ice sheet which, when glaciers pass over them, are ground into a fine powder. The ice-bound iron oxidizes in contact with seawater.
- Rapidly melting permafrost in the poles is also releasing trapped greenhouse gases like methane into the atmosphere.

Source: [DTE](#)

Q.28) Bugun Liocichla sometimes seen in news is a species of?

- a) Bird
- b) Frog

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- c) Fish
- d) Butterfly

Correct Answer: A

Explanation:

- Bugun liocichla was the first bird to be discovered in India since its independence.

Source: [DTE](#)

Q.29) With reference to various terms related to environment pollution and greenhouse gas emissions, consider the following statements:

1. Carbon neutrality is also referred to as net-zero carbon dioxide emission wherein you can't add any carbon dioxide to the air.
2. Tipping point is a level of change in system properties beyond which a system reorganizes, often abruptly, and does not return to the initial 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: B

Explanation:

- Statement 1 is incorrect: Carbon neutrality does not mean adding no CO₂ to the air. It means that if you do add carbon dioxide into the air you take out the same amount.
- Statement 2 is correct

Source: [DTE](#)

Q.30) Trigonopterus corona was recently seen in news. Which of the following correctly explains it?

- a) A newly discovered plant species in Western Ghats.
- b) A mutated variant of Corona virus.
- c) A newly discovered beetle in Indonesian island.
- d) A new butterfly species discovered in Amazon forests.

Correct Answer: C

Explanation:

Scientists have discovered a new species of beetle named *Trigonopterus corona* on the [Indonesian island of Sulawesi](#).

Note: It is not the only insect species to be named after the pandemic. In April 2021, a new species of caddisfly (a moth-like insect) was collected near a stream in Kosovo and named *Potamophylax coronavirus*.

Source: [Trigonopterus corona: A beetle species named after coronavirus](#)

Q.31) Semnopithecus entellus sometimes seen in news is a species of?

- a) Primate
- b) Fish
- c) Spider

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d) Lizard

Correct Answer: A

Explanation

- It is a species of primate known as Gray Langur.

Source: [Article](#)

Q.32) Blue carbon is associated with which of the following?

1. Mangroves
2. Oceans
3. Tidal marshes

Select the correct answer from the codes given below:

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

Correct Answer: D

Explanation:

- The coastal ecosystems of mangroves, tidal marshes and seagrass meadows contain large stores of carbon deposited by vegetation and various natural processes over centuries. These ecosystems sequester and store more carbon – often referred to as ‘**blue carbon**’ – per unit area than terrestrial forests.
- The ability of these vegetated ecosystems to remove carbon dioxide (CO₂) from the atmosphere makes them significant net carbon sinks, and they are now being recognised for their role in mitigating climate change.

Source: [Article](#)

Q.33) Which of the following are the Green House Gases?

- a) Carbon dioxide, Ozone and Nitrogen
- b) Water Vapor, Methane and Nitrous oxide
- c) Ozone, carbon Monoxide and Sulphur Oxide
- d) Methane, Ozone and Nitrogen dioxide

Correct Answer B

Explanation

Statement b is correct: The Primary GHGs are: Water Vapour, Carbon dioxide, Methane, Nitrous oxide and Ozone

Other GHGs are carbon monoxide, fluorinated gases, chlorofluorocarbons (CFCs), black carbon (soot), and brown carbon.

Among the greenhouse gases, only water vapour can absorb both incoming (UV) and outgoing (infrared) radiation.

Source: [DTE](#)

Q.34) With reference to Hanuman Langur, consider the following statements:

1. They are found in almost all the parts of India.
2. It is listed as Critically Endangered in the IUCN red list of species.

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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:** Hanuman Langurs are found in almost all the parts of India. They are easily spotted in the Bandhavgarh National Park and Sariska Tiger Reserve.
- **Statement 2 is incorrect:** It is listed as Least Concern (LC) in the IUCN red list of species.

Source: [Article](#)

Q.35) With reference to Bio-Energy Carbon Capture and Storage, consider the following statements:

1. Under this method CO₂ is captured from biomass-based power plants.
2. One of the drawbacks of this method is that it threatens food security.

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.

- **Bio-Energy Carbon Capture and Storage (BECCS)**, captures CO₂ from biomass-based power plants.
- **Issues: Economic viability** of the technology is also highly uncertain — the cost is estimated at \$15-400 per tonne CO₂e. Besides, BECCS threatens **food security** by promoting diversion of land for biofuel production. It is estimated that rolling out BECCS at scale will require up to 3,000 million hectares — about twice the land currently under cultivation globally.

Source: [Article](#)

Q.36) With reference to Global Snow Leopard and Ecosystem Protection Program, consider the following statements:

1. It seeks to address high-mountain development issues using the conservation of the snow leopard as a flagship species.
2. Program was launched by UNEP.

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

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Correct Answer: A

Explanation

- **Statement 1 is correct**
- **Statement 2 is incorrect:** GSLEP was not launched by UNEP. In the 2013 Bishkek Declaration, the 12 snow leopard range countries endorsed a comprehensive, long-term Global Snow Leopard Conservation Program – this was the birth of GSLEP. It is a unique alliance of range country governments and non-governmental partners.

Source: [DTE](#)

Q.37) With reference to **IUCN (International Union for Conservation of Nature)**, consider the following statements:

1. It is a global organization consisting only of government representatives.
2. World Conservation Strategy report is published by the IUCN.

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 IUCN is a global union composed of both government as well as civil society organizations. Its members include States, non-governmental organizations, indigenous peoples' organizations, experts, government agencies, etc.

Statement 2 is correct: IUCN published the World Conservation Strategy, a document that helped define the concept of 'sustainable development' and shaped the global conservation and sustainable development agenda.

Source: [Unesco World Heritage forests: India's Sundarbans among 5 sites with highest 'blue carbon' globally](#)

Q.38) Everglades National Park, in news is related to which of the following country:

- a) India
- b) USA
- c) Australia
- d) United Kingdom

Correct Answer B

Explanation:

Statement b is correct: Everglades National Park in the United States.

Source: [Unesco World Heritage forests: India's Sundarbans among 5 sites with highest 'blue carbon' globally](#)

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Government Schemes and Initiatives-Legislations-Act

Q.1) With reference to Maternity Benefits Act 2017, consider the following statements:

1. It covers women from both organized and unorganized sector.
2. It also provides 12 weeks paternity leave.

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: The amended law covers only women in the organised work sector i.e only 1.8 million women, a small subset of women in the workforce. It ignores roughly 90% of the Indian women who are employed in the unorganised sector i.e shops, small service providers and cottage industries, in households as domestic helps etc.

Statement 2 is incorrect: The bill does not have any provisions for paternity leave.

Source: [The motherhood penalty employers must eliminate](#)

Q.2) With reference to Aadhar Enabled Payment System (AePS) , consider the following statements:

1. It allows online interoperable financial inclusion transactions at Point of Sale.
2. AePS is developed by National Payment Corporation 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

Correct Answer C

Explanation

Statement 1 is correct: It is a bank-led model which allows online interoperable financial inclusion transactions at Point of Sale (Micro ATM) through the **Business correspondent (BC)** (informal bank agent) of any bank using the Aadhaar authentication.

Statement 2 is correct: AEPS is developed by **the National payment corporation of India (NPCI)**. It allows easy access to basic financial services through a micro ATM by just entering your Aadhaar pin and verifying it with your fingerprint.

Source: [How loopholes in Aadhaar-enabled payments are putting poor people at risk of being swindled](#)

Q.3) With reference to Good Samaritan Law, consider the following statements:

1. Under this law, protection will be provided to individuals who voluntary disclose their black money.
2. It is launched by Ministry of Finance.

Which of the statements given above is/are correct?

- a) 1 only

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

Correct Answer D

Explanation

Statement 1 is incorrect: A Good Samaritan is a person who voluntarily comes forward to administer emergency care to a person injured in an accident, or crash, or emergency medical condition, or emergency situation. He does this help without expecting anything, financial or otherwise, in return. Good Samaritan Law protects Good Samaritans from harassment on the actions being taken by them to save the life of the road accident victims.

Statement 2 is incorrect: It is under Union Ministry of Road Transport and Highways (MoRTH)

Q.4) With reference to **National Aquifer and Management Programme**, consider the following statements:

1. It is to identify and map aquifers at the micro level to quantify the available groundwater resources.
2. This is the initiative launched under Ministry of Earth Sciences.

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: National Aquifer Mapping and Management Programme (NAQUIM) was launched in 2012 by the Ministry of Water Resources (now Ministry of Jal Shakti). The programme aims to identify and map aquifers at the micro level to quantify the available groundwater resources.

Statement 2 is incorrect: The National Aquifer Mapping and Management program (NAQUIM) is being implemented by the **Central Ground Water Board (CGWB)**. It is a subordinate office of the **Ministry of Water Resources** and is the **National Apex Agency** entrusted with the responsibilities of providing scientific inputs for management, exploration, monitoring, assessment, augmentation and regulation of groundwater resources of the country.

Source: [Article](#)

Q.5) **K.S. Valdiya committee** was sometime seen in news. The committee is formed to study which of the following?

- a) To study the floods in North-Eastern India and suggest measures.
- b) To study the impact of climate change in Agriculture.
- c) To study the Glacial Lake Outburst Floods in Himalayan Region.
- d) To study the paleochannels in North-West India.

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Correct Answer: D

Explanation:

The **erstwhile Ministry of Water Resources** had constituted a seven-member committee, headed by Professor **K.S. Valdiya** to understand the paleochannels in North-West India. The committee submitted its report in 2016. The major findings were

First, The banks of one of the misfit rivers, the Ghaggar-Hakra-Saraswati-Drishadvati, are associated with the multiplicity of paleochannels.

Second, evidence from paleochannels suggests that the mythological Saraswati River did indeed exist. River Saraswati originated from Adibadri in Himalaya to culminate in the Arabian Sea through the Runn of Kutch. It was approximately 4000 km in length.

Source: [Shri Gajendra Singh Shekhawat & Dr. Jitendra Singh To Jointly Inaugurate Heli-Borne Survey For Ground Water Management In Arid Regions](#)

Q.6) With reference to **Project Insight**, consider the following statements:

1. The project will monitor high value transactions and detect tax evaders using technology with a view to curbing circulation of black money.
2. Central Bureau of Investigation (CBI) is implementing the project.

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: The project will monitor high value transactions and detect tax evaders using technology with a view to curbing circulation of black money.

Statement 2 is incorrect: The income tax department is implementing 'Project Insight'.

Source: [Pandora Papers and Illegal offshore investments from India – Explained, pointwise](#)

Q.7) With reference to Malaria Elimination Research Alliance-India, consider the following statements:

1. It has been initiated by Ministry of Health and Family Welfare.
2. One of its aims is to eliminate malaria nationally by 2025.

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:

Both statements are incorrect.

· It was launched by the Indian Council of Medical Research (ICMR).

· It is a conglomeration of partners working on malaria control. The aim is to harness and reinforce research in a coordinated way in order to achieve a tangible impact on malaria elimination. Source: Article

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Q.8) With reference to **People's Plan Campaign**, consider the following statements:

1. The Campaign will help the people to frame public plan for citizen centric governance plans.
2. The campaign is launched by the ministry of Panchayati Raj and Rural Development.

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: A

Explanation:

Statement 1 is incorrect: The campaign will help Gram Panchayats(GPs) in the preparation of a convergent and holistic Gram Panchayat Development Plan(GPDP) through the identification of sectoral infrastructural gaps in respective areas.

Statement 2 is correct: The campaign is launched by the ministry of Panchayati Raj and Rural Development.

Q.9) With reference to **PM CARE fund**, consider the following statements:

1. PM CARES fund is under the operative control of PMO.
2. It is a fund of government of India created under the Disaster Management Act.

Which of the above statements 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: It is declared as a public charitable trust. The trust is neither owned nor controlled by the central government or any of the State governments. But the Prime Minister is the Chairperson of the Board of Trustees in PM CARES.

Statement 2 is incorrect: PM CARES has not been established under any statute or notification, so it does not come under the definition of public authority under RTI.

Source: <https://blog.forumias.com/the-fund-without-a-care-for-the-rti/>

Q.10) With reference to **Indian Xports 2021 portal**, consider the following statements:

1. The initiative aims to support the growth of MSMEs exports by providing free of cost information and knowledge to MSMEs.
2. Government has a target to increase MSME exports by 200% in 2021.

Which of the above statements is/are correct?

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

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Correct Answer A

Explanation

Statement 1 is correct: The initiative aims to support the growth of MSMEs exports by providing **free of cost information and knowledge to MSMEs** on the untapped export potential in existing tariff lines.

The initiative features an Info Portal which serves as a knowledge base for exports by Indian MSMEs. The portal has information related to the export potential for all the 456 tariff lines along with the potential markets as well as trends in exports, export procedures and lots more.

Statement 2 is incorrect: Government has a target to increase MSME exports by 50% in 2022.

Source: <https://blog.forumias.com/msme-minister-launches-india-export-initiative-and-indiaexports-2021-portal/>

Q.11) With reference to Renewable Energy Certificate, consider the following statements:

1. It is a market-based instrument to promote renewable energy and facilitate the compliance of renewable purchase obligations (RPO).
2. REC mechanism prohibits traders and any kind of bilateral transactions.

Which of the above statements 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: The Renewable Energy Certificate (REC) mechanism is a market-based instrument to promote renewable energy and facilitate the compliance of **renewable purchase obligations** (RPO). It is aimed at addressing the mismatch between the availability of RE resources in the state and the requirement of the obligated entities to meet the renewable purchase obligation (RPO).

Statement 2 is incorrect: REC mechanism allows traders and bilateral transactions.

Source: <https://blog.forumias.com/ministry-of-power-redesigns-renewable-energy-certificate-rec-mechanism/>

Q.12) With reference to Project Insight, consider the following statements:

1. It is a project launched by Union Home Ministry to monitor high value transactions and detect tax evaders.
2. It will use data mining, big data analytics to identify tax evaders from social media platforms.

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

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Correct Answer: b

Explanation:

- Statement 1 is incorrect: Project has been launched by Union Finance Ministry
- Statement 2 is correct

Source: [Article](#)

Q.13) With reference to **Kamdhenu Deepawali 2021 campaign**, consider the following statements:

1. It will provide financial benefits to the green cracker industries.
2. This scheme is launched by Ministry of Fisheries, Animal Husbandry & Dairying.

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: Kamdhenu Deepawali campaign is to make cows to be economically useful by proper economical use of Cow Dung and Cow Urine too along with its Milk, Curd, Ghee. The campaign was launched to manufacture and market more than 100 Crore Cow dung-based products, such as Deepak lamps and Laxmi-Ganesh Idols.

Statement 2 is correct: Ministry of Fisheries, Animal Husbandry & Dairying has launched a Kamdhenu Deepawali campaign to promote Cow Entrepreneurship and Cow based Panchgavya products.

Source: [Kamdhenu Deepawali 2021 campaign launched](#)

Q.14) With reference to **State Nutrition Profile**, consider the following statements:

1. It gives insights on nutrition outcomes, immediate and underlying determinants and intervention based on National Family Health Survey 3, 4 and 5.
2. It is launched by Ministry of Health and Family Welfare.

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: The SNPs give insights on nutrition outcomes, immediate and underlying determinants and interventions based on National Family Health Survey (NFHS) rounds 3, 4 and 5. The SNPs include a comprehensive compilation of crucial data that can positively affect policy decisions and facilitate research in the area.

They contain the trend analysis of key indicators such as wasting, stunting, anemia, underweight and overweight and NCDs (Diabetes and High blood pressure) showcase the variability of performance across districts.

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Statement 2 is incorrect: NITI Aayog, in a joint effort with International Food Policy Research Institute (IFPRI), the Indian Institute of Population Sciences (IIPS), UNICEF and the Institute of Economic Growth (IEG) has launched 'The State Nutrition Profiles' for 19 States and Union Territories.

Q.15) Gati Shakti Plan , in news, is related to which of the following sector:

- a) Infrastructure
- b) Education
- c) Health
- d) Sports

Correct Answer A

Explanation

Statement a is correct: PM Gati Shakti Master Plan is a 100 lakh crore national infrastructure master plan. It aims to make a foundation for holistic infrastructure and give an integrated pathway to our economy.

Source: [Business Standard](#)

Q.16) With reference to Palk Bay Scheme, consider the following statements:

1. It is a centrally sponsored scheme.
2. It is a scheme specific to only Tamil Nadu.

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.

- Palk Bay Scheme is also known as Scheme for Diversification Of Trawl Fishing Boats From Palk Straits Into Deep Sea Fishing Boats. The scheme was launched by the Government of India in 2017 as a Centrally sponsored scheme.
- It is a Tamil Nadu-specific scheme aimed at providing 2,000 vessels in three years to fishermen of the State and motivating them to abandon bottom trawling.

Source: [Article](#)

Q.17) Green Ribbon Initiative was seen in news recently. The initiative is launched for which of the following?

- a) The initiative aims to improve the adoption of green technologies in construction sector.
- b) The initiative aims to protect the forest cover all over the world.
- c) The initiative intends to convert all conventional vehicles into electric ones within a decade.
- d) The initiative intends to raise awareness on Mental Health as part of the activities being taken up during the Mental Health Awareness Week.

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Correct Answer: D

Explanation:

To commemorate World Mental Health Day, the Ministry of Health launched a Green Ribbon Initiative. The initiative intends to raise awareness on Mental Health as part of the activities being taken up during ongoing Mental Health Awareness Week, 5th-10th October.

Source: [All India Radio](#)

Q.18) With reference to **Green Grid Initiative- One Sun One World One Grid**, consider the following statements:

1. It aims to build global consensus about sharing solar resources.
2. It is launched by Ministry of Power and New and Renewable Energy (MNRE).

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:

Statement 1 is correct: The plan focuses on a framework for facilitating global cooperation, building a global ecosystem of interconnected renewable energy resources (mainly solar energy) that can be seamlessly shared.

Statement 2 is correct: It is launched by MNRE.

Source: [PIB](#)

Q.19) Climate Resilience Information System and Planning (CRISP-M) tool is related to which of the following scheme/program?

- a) Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGS)
- b) Swachh Bharat Mission-Urban 2.0
- c) Atal Mission for Rejuvenation and Urban Transformation 2.0.
- d) Jal Jeevan Mission

Correct Answer: A

Explanation

Union Minister of Rural Development & Panchayati Raj has recently launched a Climate Resilience Information System and Planning (CRISP-M) tool for integration of climate information in Geographic Information System (GIS) based watershed planning under Mahatma Gandhi NREGA.

The CRISP-M tool will help embed climate information in the GIS based planning and implementation of Mahatma Gandhi NREGS.

Source: [PIB](#)

Q.20) Justice A K Rajan committee, in news, related to which of the following:

- a) To prepare the professional engineer's bill.
- b) To develop international retail business at the International Financial Services Centre (IFSC).

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- c) To look into GST revenue shortfall faced by states.
- d) To study the impact of NEET on aspirants.

Correct Answer D

Explanation

Statement d is correct: The government of Tamil Nadu appointed a committee under Justice AK Rajan. The committee found that NEET is biased towards the pattern of the CBSE syllabus. It also recommended that NEET should be ended immediately.

Source: [Indian Express](#)

Q.21) Operation Green Hunt, is related to which of the following:

- a) To evacuate Indian citizens from Taliban hit Afghanistan
- b) To stabilize the supply of TOP (Tomato, Onion, Potato) crops
- c) To assist the population of Madagascar affected by Cyclone Diane.
- d) To counter Naxalism

Correct Answer D

Explanation

Statement d is correct: Operation Green Hunt: It was started in 2010 and massive deployment of security forces was done in the Naxal-affected areas. From 223 districts that were affected due to naxalism in the year 2010, the number has come down to 90 in nine years.

The government even started 'Relief and Rehabilitation Policy' for bringing Naxalites into mainstream.

Source: [Indian Express](#)

Q.22) With reference to PM Garib Kalyan Yojana, consider the following statements:

1. It provides an insurance cover of Rs 20 lakhs per health worker affected by COVID-19.
2. Aim of this scheme is to help the poor to fight the battle against Corona 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

Correct Answer: B

Explanation

Statement 1 is incorrect: Insurance cover of Rs **50 Lakh** per health worker fighting COVID-19 to be provided under Insurance Scheme

About PM Garib Kalyan Yojana: PMGKAY is a part of Pradhan Mantri Garib Kalyan Package (PMGKP) to help the poor fight the battle against Covid-19. Its nodal Ministry is the Ministry of Finance.

- Insurance cover of Rs 50 Lakh per health worker fighting COVID-19 to be provided under Insurance Scheme - extended for one year effective April 2021
- 80 crore poor people will to get 5 kg wheat or rice and 1 kg of preferred pulses for free every month for the next three months - extended to November 2021 (initially, the package was extended to May & June 2021; originally, it was extended to November 2020)

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- 20 crore women Jan Dhan account holders to get Rs 500 per month for next three months
- Increase in MNREGA wage to Rs 202 a day from Rs 182 to benefit 13.62 crore families
- An ex-gratia of Rs 1,000 to 3 crore poor senior citizen, poor widows and poor disabled
- Government to front-load Rs 2,000 paid to farmers in first week of April 2020 under existing PM Kisan Yojana to benefit 8.7 crore farmers
- Central Government has given orders to State Governments to use Building and Construction Workers Welfare Fund to provide relief to Construction Workers.

Source: [PIB](#)

Q.23) Ayush Van was recently initiated by the government. It is initiated in which of the following state?

- Assam
- Arunachal Pradesh
- Gujarat
- Kerala

Correct Answer: C

Explanation

Ayush Van is a dedicated forest for Ayurvedic plants. It is located at the Deendayal Port Trust (DPT) in Kutch, Gujarat.

The Ayush Van was set up in 30 acres of land allotted by DPT in a green-belt area. The tree plantation is done to improve greenery in urban areas and increase the density of tree cover in the Kutch region.

Source: [Union Ayush Minister inaugurates 'Ayush Van' in Gandhidham](#)

Q.24) With reference to Atal Innovation Mission, consider the following statements:

1. Its aim is to promote innovation and entrepreneurship across the country.
2. It is the initiative launched by Ministry of Science and Technology.

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 1 is correct: Its aim is to develop new programmes and policies for fostering innovation in different sectors of the economy. It provides platform and collaboration opportunities for different stakeholders, create awareness and create an umbrella structure to oversee the innovation ecosystem of the country.

Statement 2 is incorrect: Atal Innovation Mission (AIM) is a flagship initiative of NITI Aayog.

Source: [PIB](#)

Q.25) With reference to Veer Gatha Initiative, consider the following statements:

1. Under this, government will setup a dedicated TV channel to make people aware of gallantry award winners.

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2. This initiative is launched under Ministry of Home Affairs.

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: Under the initiative, school students across the country will prepare projects in the form of poems, paintings, essays or multimedia presentations on the lives of gallantry award winners. The initiative also aims to celebrate the valiance and courage of armed force officers and personnel. Students of Class 3rd to 12th can participate in the initiative.

Statement 2 is incorrect: Ministry of Education along with the Ministry of Defence launched this initiative.

Source: [School students to prepare projects on lives of gallantry award winners under 'Veer Gatha' initiative](#)

Q.26) With reference to **Sovereign Gold Bond Scheme**, consider the following statements:

- 1. The Gold Bonds are issued as Government of India Stock under the Government Securities (GS) Act, 2006.
- 2. The bonds are restricted for sale to resident individuals, Hindu Undivided Families (HUFs), trusts, universities and charitable institutions only.

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:

Statement 1 is correct: The Gold Bonds are issued as Government of India Stock under the Government Securities (GS) Act, 2006.

Statement 2 is correct: The bonds are restricted for sale to resident individuals, Hindu Undivided Families (HUFs), trusts, universities and charitable institutions.

Source: [PIB](#)

Q.27) With reference to **NIPUN Bharat Mission**, consider the following statements:

- 1. It aims for a robust skill development architecture in the age group of sixteen to eighteen years.
- 2. Ministry of Skill Development and Entrepreneurship will implement this 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

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Correct Answer: d

Explanation:

Both statements are incorrect.

- **NIPUN Bharat Mission aims** to improve foundational literacy and numeracy of children in the age group of three to nine years.

Key Features of the Mission:

- **Implementation:** The mission will be implemented by the Union Education Ministry in collaboration with states through the flagship school education program Samagra Shiksha.
- **Target:** The mission has set a target that by 2026-27, every Class 3 child should be able to read with understanding at the rate of at least 60 words per minute. Further, the child should be able to read and write numbers up to 9,999 and solve simple multiplication problems.
- **Survey:** A National Achievement Survey of Class 3 students will be conducted to set a baseline to track the future progress of the mission.
- **Mother Tongue:** The mission also emphasizes the importance of using a child's mother tongue in teaching, a principle of the National Education Policy 2020.

Source: [Article](#)

Q.28) With reference to **National Maritime Foundation (NMF)**, consider the following statements:

1. It is India's first maritime think-tank for conducting independent and policy-relevant research on 'matters maritime'.
2. Indo-Pacific Regional Dialogue (IPRD) is organised by the National Maritime Foundation.

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.

It is India's first maritime think-tank for conducting independent and policy-relevant research on 'matters maritime'. It is an autonomous think-tank. But its intellectual and organizational development is supported by the Ministry of Defence and the Indian Navy. It is Located in New Delhi.

Indo-Pacific Regional Dialogue (IPRD) is organised by the National Maritime Foundation.

Source: [INDO-PACIFIC REGIONAL DIALOGUE 2021](#)

Q.29) With reference to the **container-based hospitals under Health Infrastructure Mission**, consider the following statements:

1. These are mobile hospitals that will be kept ready at all times.
2. These hospitals will be stationed in New Delhi and Chennai.

Which of the statements given above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2

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d) Neither 1 nor 2

Correct Answer: C

Explanation:

Both the statements are correct.

For the first time in Asia, two container-based hospitals with comprehensive medical facilities will be kept ready at all times under the Ayushman Bharat Health Infrastructure Mission. One mobile unit will have 22 containers with 100 beds each.

These mobile hospitals will be stationed in New Delhi and Chennai. These hospitals can be swiftly mobilized by rail or air to respond to any calamity or disaster in the country.

Source: [PM ABHIM \(Ayushman Bharat Health Infrastructure Mission\) – Explained, pointwise](#)

Q.30) With reference to **Light House Projects (LHPs)**, consider the following statements:

1. These are model housing projects based on conventional technologies.
2. These houses will be disaster-resilient, environment-friendly, cost-effective.

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: These are model housing projects with houses built with shortlisted alternate technology suitable to the geo-climatic and hazard conditions of the region.

Statement 2 is correct: These houses will be disaster-resilient, environment-friendly, cost-effective, and have speedy construction technologies.

Q.31) Operation Red Rose, in news, is related to which of the following:

- a) To enhance the production of red roses.
- b) It was an American military operation to capture Iraqi dictator Saddam Hussein.
- c) To curb illicit liquor trading and excise-related crimes.
- d) It is a Pacific Air Forces-sponsored exercise meant to provide realistic training in a simulated combat environment.

Correct Answer C

Explanation:

Statement c is correct: Operation Red Rose was launched to ensure that there should not be illicit or illegal movement of liquor in Punjab.

Source: [Punjab uses tech against illicit brewing](#)

Q.32) Srikrishna committee, in news, is related to which of the following:

- a) To examine issues related to data protection
- b) Formulating food policy in the long term
- c) Unemployment and Public Welfare
- d) To look into GST revenue shortfall faced by states

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Correct Answer A

Explanation:

Statement a is correct: Government set up a committee of experts in 2017 under the chairmanship of Justice B.N. Srikrishna. The committee submitted a report titled, 'A Free and Fair Digital Economy: Protecting Privacy, Empowering Indians', a year later along with a draft Data Protection Bill.

Its focus was to ensure that citizens know how their data is processed, why it is being processed, for how long such data would be stored, where it's being stored, how secure it would be, etc. The major principles suggested by the committee are informed consent, data minimization, process limitation and the right to be forgotten embedded in the Bill

Source: [We mustn't lose time on enacting a data protection law](#)

Q.33) With reference to SAMBHAV, consider the following statements:

1. It is a national level awareness programme being organised by Ministry of Micro, Small & Medium Enterprises.
2. Under the initiative, students from different colleges/ITIs will be encouraged to take up entrepreneurship.

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.

- SAMBHAV is a National Level Awareness Programme-2021 being organised by Ministry of Micro, Small & Medium Enterprises, Government of India, in New Delhi today, he emphasized that new products and services created by budding entrepreneurs can give a cascading effect, for stimulating related businesses or sectors
- The mass outreach program will be a one-month long initiative under the Ministry of MSME in which students from different colleges/ITIs from all parts of the country will be encouraged by 130 field offices of the Ministry to take up entrepreneurship. During the campaign the college students will be made aware of the various schemes being implemented by the Ministry of MSME through Audio/Video film presentations.

Source: [PIB](#)

Q.34) With reference to Sankalp Programme, consider the following statements:

1. It aims to ensure inclusive and equitable quality education at all levels of school education.
2. The programme is launched by Ministry of Human Resource and Development (MHRD).

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

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Correct Answer D

Explanation

Statement 1 is incorrect: It is an outcome-focused scheme marking a shift in the government's implementation strategy in vocational education and training from inputs to results. SANKALP aims to implement the mandate of the National Skill Development Mission (NSDM).

SANKALP engages with District Skill Committees (DSCs) to effectively reduce the mismatch between the supply and demand of skilled manpower in the country, thereby creating decent opportunities for the youth to work and earn.

Statement 2 is incorrect: SANKALP is a World Bank loan assisted program. It was launched by the Ministry of Skill Development and Entrepreneurship.

Source: [Union Minister for Education and Skill Development inaugurates phase-II of Mahatma Gandhi National Fellowship](#)

Q.35) With reference to Krishi Udan 2.0 scheme, consider the following statements:

1. It has been launched Ministry of Agriculture and Farmers Welfare to assist farmers in transportation of agricultural products.
2. Scheme will focus on transporting perishable food products from the hilly areas, northeastern states and tribal areas.
3. E-KUSHAL platform has been launched under the scheme for information dissemination.

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: B

Explanation:

- **Statement 1 is incorrect:** The scheme has been launched by Ministry of Civil Aviation.
- **Statement 2 & 3 are correct**

Source: [Article](#)

Q.36) With reference to Integrated Teacher Education Programme (ITEP), consider the following statements:

1. This course will be available for all students who want to choose teaching as a profession after clearing secondary school.
2. The National Council for Teacher Education (NCTE) has created the curriculum of this course

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

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Correct Answer: C

Explanation:

Both statements are correct.

- **ITEP** is a four-year dual-major holistic bachelor's degree offering B.A B.Ed./ B.Sc B.Ed and [B.Com](#) B.Ed.
- This course will be available for all students who want to choose teaching as a profession after clearing secondary school.
- The **National Council for Teacher Education** (NCTE) has created the curriculum of this course to enable a student-teacher to get a degree in education as well as a specialised discipline such as history, mathematics, science, arts, economics, or commerce.

Source: [Article](#)

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MODERN HISTORY – PERSONALITIES

Q.1) Consider the following statements:

1. He galvanised support for the Bhoodan movement.
 2. Popularly he was known as 'Lok Nayak'.
 3. He set up the Azaad Dasta in the Terai region of Nepal to resist British rule.
- Which famous Indian national leader is being referred to in the statements given above?
- a) Jawaharlal Nehru
 - b) JP Narayan
 - c) Sardar Patel
 - d) Lal Bahadur Shastri

Correct Answer: b

Explanation:

The leader being referred to in this question is JP Narayan. Source: Article

Q.2) With reference to **Sir Syd Ahmad Khan**, consider the following statements:

1. He was the founder of Aligarh Muslim University.
2. He founded the magazine Tahzebul Akhlaq.

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

Statement 1 is correct: In 1877, he founded the Muhammadan Anglo Oriental College on the pattern of Oxford and Cambridge universities. The college later grew into Aligarh Muslim University.

Statement 2 is correct: Tahzebul Akhlaq (Social Reformer in English), a magazine founded by him, tried to awaken people's consciousness on social and religious issues in a very expressive prose. He has also written a pamphlet titled "The Causes of the Indian Revolt" to explain the reasons for the revolt from a Indian perspective.

Source: [The Hindu](#)

Q.3) **Bucher files sometimes seen in news is associated with?**

- a) Period of National Emergency in India
- b) Accession of Jammu & Kashmir to India
- c) Partition of India
- d) Sikh Riots of 1984

Correct Answer: B

Explanation

- These papers reportedly deal with the accession of Jammu & Kashmir to India.

Source: [Article](#)

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Q.4) With reference to **Sir Syed Ahmad Khan**, consider the following statements:

1. When Sir Syed established a madrasa in Ghazipur, he elected Raja Dev Narayan Singh as patron of the school.
2. The first managing committee of Muhammadan Anglo Oriental College do not comprise any Hindu persons.

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:

Recently Aligarh Muslim University completed 100 years of its foundation. Its founder, Sir Syed Ahmad Khan was a true advocate of Hindu Muslim unity.

Statement 1 is correct: When Sir Syed established a madrasa in Ghazipur, he elected Raja Dev Narayan Singh as patron of the school. Sanskrit was one of the five languages taught at this school.

Statement 2 is incorrect: The managing committee of MAO College comprised 22 members of whom nine were Hindus.

Sir Syed also laid the foundation of comparative religious studies and revived the spirit of Dara Shikoh's philosophy — to bring major communities of India together by finding commonalities in their religions.

Source: [The founder of a Mini India](#)

Q.5) With reference to **Veer Savarkar**, consider the following sentences:

1. He was the author of book History of war of Indian Independence in which he wrote about guerilla warfare tricks.
2. He was the founder of Free India Society.

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

Statement 1 is correct: He authored a book "The History of the War of Indian Independence" in which he described the Indian Revolt of 1857 and referred to British rule as unjust and oppressive. He became one of the first persons to allude to this revolt as India's 'first war of independence'. This book was banned in India but its secret publication and distribution were done.

Statement 2 is correct: He founded the Free India Society. The Society celebrated important dates on the Indian calendar including festivals, freedom movement landmarks, and was dedicated to furthering discussion about Indian freedom.

Source: [Gandhi and Savarkar shared goal of independence, differed on means](#)

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Q.6) With reference to **Azad Hind Government**, consider the following statements:

1. The Azad Hind Government had its own currency, court and civil code.
2. The provisional capital of the Azad Hind Government was Rangoon.
3. Rash Behari Bose was designated as the supreme advisor of the government.

Which of the statements given above is/are correct?

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

Correct Answer: A

Explanation:

Statement 1 is correct: The Azad Hind Government started functioning from Singapore, with 11 ministers and eight representatives from the INA. The Azad Hind Government had its own currency, court and civil code.

Statement 2 is incorrect: The provisional capital of the Azad Hind Government was Port Blair, while its capital-in-exile was Rangoon and Singapore.

Statement 3 is correct: S A Ayer headed the publicity and propaganda wing. Rash Behari Bose was designated as the supreme advisor.

Source: [PIB Bhubaneswar along with State Culture Department organise a Joint Press Conference on Netaji's Azad Hind Government](#)

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Polity and Governance

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

1. A trust is not a separate legal entity, but its legal nature comes from the trustee.
2. Offshore trusts are illegal under the Indian Trusts Act, 1882.

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:** A trust is not a separate legal entity, but its legal nature comes from the 'trustee'. At times, the 'settlor' appoints a 'protector', who has the powers to supervise the trustee, and even remove the trustee and appoint a new one.
- **Statement 2 is incorrect:** The Indian Trusts Act, 1882, gives legal basis to the concept of trusts. While Indian laws do not see trusts as a legal person/ entity, they do recognise the trust as an obligation of the trustee to manage and use the assets settled in the trust for the benefit of 'beneficiaries'. India also recognizes offshore trusts i.e., trusts set up in other tax jurisdictions.

Source: [Article](#)

Q.2) With reference to **Public Accounts Committee (PAC), consider the following statements:**

1. It is the youngest parliamentary committee in India.
2. Annual Finance Accounts of Government of India is examined by PAC.

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:

Recently, Lok Sabha Speaker has invited the Chairman of Pakistan's Senate, Muhammad Sadiq Sanjrani, to attend the centennial celebration of the creation of the Public Accounts Committee (PAC) of Parliament. The invite has not been confirmed by the Ministry of External Affairs yet.

About the PAC:

Statement 1 is incorrect: The PAC is the oldest parliamentary committee in the Indian legislative affairs and has been crucial in upholding the principle of accountability as it exercises oversight of public expenditure.

Statement 2 is correct: The Committee on Public Accounts is constituted by Parliament each year for examination of

- i) accounts showing the appropriation of sums granted by Parliament for expenditure of Government of India,
- ii) the annual Finance Accounts of Government of India, and

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iii) such other accounts laid before Parliament as the Committee may deem fit.

Source: [The Hindu](#)

Q.3) With reference to **High Court Judges**, consider the following statements:

1. The retirement age of High Court judges is equivalent to Supreme Court judges I.e. 65 years.
2. They are appointed by the Governor of the 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: D

Explanation

Statement 1 is incorrect: Supreme Court Judges retire upon attaining the age of 65 years while High Court judge retires at the age of 62.

Statement 2 is incorrect: Article 217 of the Constitution states that the Judge of a High Court shall be appointed by the President in consultation with the Chief Justice of India (CJI), the Governor of the State.

Source: [Let HC Judges retire when SC Judges do, At 65](#)

Q.4) With reference to **National Human Right Commission (NHRC)**, consider the following statements:

1. It has the powers of criminal court and can grant interim relief.
2. Its recommendations are binding on the government.

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: It has the powers of civil court and can grant interim relief. It also has the authority to recommend payment of compensation or damages.

Statement 2 is incorrect: NHRC can only make recommendations, without the power to enforce decisions.

Source: [Indian Express](#)

Q.5) With reference to **National Green Tribunal (NGT)**, consider the following statements:

1. It is a statutory body set up for effective and expeditious disposal of cases relating to environmental protection and conservation of forests.
2. NGT is mandated to make disposal of applications or appeals finally within 6 months of filing of the same.
3. NGT does not have suo motu powers to take up environmental issues across the country.

Which of the statements given above is/are correct?

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

Correct Answer: A

Explanation:

Statement 1 is correct: It is a specialised body set up under the National Green Tribunal Act (2010) for effective and expeditious disposal of cases relating to environmental protection and conservation of forests and other natural resources.

Statement 2 is correct: NGT is mandated to make disposal of applications or appeals finally within 6 months of filing of the same.

Statement 3 is incorrect: Recently, The Supreme Court has empowered the National Green Tribunal (NGT) with suo motu (on its own) power to initiate proceedings on its own in case of environmental exigencies.

Source: [SC empowers green tribunal to initiate action on its own](#)

Q.6) With reference to legal provisions regarding Parole and furlough in India, consider the following statements:

1. In India, parole as well as furlough are covered under the Prisons Act of 1894.
2. Prisoners convicted of multiple murders are also eligible for parole.

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:** Prisoners convicted of multiple murders or under the anti-terror Unlawful Activities Prevention Act (UAPA) are not eligible for parole.

Source: [Article](#)

Q.7) With reference to the cadre allocation of IAS officers, consider the following statements:

1. Under the Indian Administrative Service (Cadre) Rules, 1954, it is mandatory for the Central Government to consult the state government.
2. The Centre has to consult with both the home state and the State to which allocation was made.

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

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Correct Answer: A

Explanation:

Statement 1 is correct: Under the Indian Administrative Service (Cadre) Rules, 1954, it is mandatory for the Central Government to consult the state government.

Statement 2 is incorrect: According to the recent SC judgment, the Cadre Rules are satisfied when the consultation was made with the State to which allocation was made (Not with the state to which the candidate belongs).

Source: [UPSC candidates have no right to cadre of choice: Supreme Court](#)

Q.8) With reference to Refugees, consider the following statements:

1. India is not the signatory to 1951 Refugee convention under which UNHCR operates.
2. India has its own national law for protection of refugees.

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: India is not a signatory to the 1951 Refugee Status Convention. India is also not a signatory to the 1967 Refugee Status Protocol. 1951 Refugee Status Convention is also called as the Geneva Convention of 28 July 1951. It is a United Nations Multilateral Treaty that defines refugees and the rights of these refugees who are granted asylum and the responsibilities of the nations that grants asylum to them.

Statement 2 is incorrect: India does not have a national refugee protection framework.

Source: [Source: Livemint](#)

Q.9) With reference to Economic Advisory Council to the Prime Minister (EAC-PM), consider the following statements:

1. It is a non-constitutional, non-permanent and independent body.
2. For administrative, logistic, planning and budgeting purposes, the NITI Aayog serves as the Nodal Agency for EAC-PM.

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.

EAC-PM is a non-constitutional, non-permanent and independent body constituted to give economic advice to the Government of India, specifically the Prime Minister.

Aim: To highlight key economic issues facing the country to the government of India from a neutral viewpoint.

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For administrative, logistic, planning and budgeting purposes, the NITI Aayog serves as the Nodal Agency for the EAC-PM.

Source: [EAC-PM: 3 new members inducted](#)

ForumIAS

ANCIENT HISTORY

Q.1) With reference to Vidhaata as mentioned in Rig Veda, consider the following statements:....

1. It was an assembly of people for debating policy and military matters.
2. Both women and men took part in the deliberations of Vidhaata.

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.

- The “vidhaata”, or the assembly of people for debating policy, military matters and important issues impacting all, has been mentioned more than a hundred times in the Rig Veda. Both women and men took part in these deliberations, a far cry from the Greeks who did not admit women (or slaves) as full citizens of their “democracies”.

Source: [Article](#)

Q.2) With reference to Bhaskarabda era, consider the following statements:

1. It began when Bhaskaravarman was crowned ruler of the Kamrupa kingdom.
2. It uses a lunisolar system based on both the phases of the moon and the solar year.

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.

- Bhaskarabda began when Bhaskaravarman was crowned ruler of the Kamrupa kingdom. He was a contemporary and political ally of northern Indian ruler Harshavardhana.
- Unlike the Gregorian, where a day starts at midnight, the Assamese calendar begins and ends at sunrise over 24 hours. While the Gregorian goes by the solar cycle, the Saka and Bhaskarabda use a lunisolar system based on both the phases of the moon and the solar year.

Source: [The Hindu](#)

Q.3) With reference to Nebra Sky Disc, consider the following statements:

1. It is the mission launched by NASA to study the movement of stars.
2. It is part of NASA’s Living with a Star Program.

Which of the statements given above is/are correct?

- a) 1 only

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

Correct Answer: D

Explanation

Both the statements are incorrect.

About Nebra Sky Disc: The Nebra Sky Disc is not any mission but an **artifact that belong to 1600 BCE**. It is the **oldest map of stars found on the earth**. The disk is made up of bronze. It is 30 centimetres in diameter. The weight of the disk is 2.2 kilograms. It has a blue-green colour. Also, it has gold symbols laid. The symbols interpret sun, full moon, a lunar crescent and stars.



Significance: The disc projects the astronomical knowledge of European people belonging to bronze age. The disc has precise measurements of angle between rising and setting points of the sun at summer and winter solstice. It also depicted the yearly course of the sun.

Source: [Nebra Sky Disc: The oldest map of stars that will be displayed at British Museum](#)

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MISCELANEOUS

Q.1) Hemchandra's numbers sometimes seen in news are associated with?...

- a) Fermat's theorem
- b) Fibonacci series
- c) Pythagoras theorem
- d) Golden Ratio

Correct Answer: b

Explanation

- Fibonacci numbers is also referred to as Pingala's numbers or Hemachandra's numbers.

Source: [Article](#)

ForumIAS

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Medieval History - THE MUGHAL EMPIRE - Political

Q.1) With reference to **Battle of Saraighat**, consider the following statements:

1. The Battle was fought between the Mughal Empire and the Maratha Kingdom.
2. Mughal Army was defeated in the battle by guerrilla tactics, clever diplomatic negotiations to buy time, military intelligence and by exploiting the weakness of Mughal Navy.

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 Battle of Saraighat was the last major attempt by the Mughals to extend their empire into Assam. The Battle was fought in 1671 between the Mughal Empire, led by Raja Ram Singh I and the Ahom Kingdom, led by Lachit Borphukan.

Statement 2 is correct: The Ahom army defeated the Mughal Army by brilliant uses of the terrain, guerrilla tactics, clever diplomatic negotiations to buy time, military intelligence and by exploiting the sole weakness of the Mughal forces—its navy.

Battle of Saraighat is regarded as the “**greatest naval battle ever fought in a river**”.

Source: [British-era bungalow is home to Brahmaputra heritage centre](#)

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Schemes and Programs- Programs - Missions

Q.1) With reference to **Swachh Bharat Mission-Urban 2.0**, Consider the following statements:

1. The aim of 'Swachh Bharat Mission-Urban 2.0' is to "make the cities completely free of garbage".
2. The mission will be implemented by the Ministry of Housing and Urban Affairs (MoHUA).

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

Statement 1 is correct: The mission would be implemented over five years — from 2021 to 2026. The focus of SBM-U 2.0 will be on sustaining the sanitation and solid waste management outcomes achieved and accelerate the momentum generated, thus taking Urban India to the next level of 'Swachhata'.

The aim of 'Swachh Bharat Mission-Urban 2.0' is to "make the cities completely free of garbage".

Statement 2 is correct: The mission will be implemented by the Ministry of Housing and Urban Affairs (MoHUA).

Source: [PM launches Swachh Bharat Mission-Urban 2.0 and AMRUT 2.0](#)

Q.2) With reference to **Clean India Programme**, consider the following statements:

1. The programme will be organised only in urban areas.
2. The aim of the programme is to ensure their involvement in cleaning waste mainly Single-Use Plastic waste.
3. Department of Youth Affairs is organizing the programme from 1st October 2021 to 31st October 2021.

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

Correct Answer: B

Explanation

Statement 1 is incorrect: The programme will be the largest cleanliness drive in the world. The programme will be organised in 6 Lakh villages of 744 Districts across the country through the networks of Nehru Yuva Kendra Sangathan (NYKS) affiliated Youth Clubs & National Service Scheme affiliated Institutions.

Statement 2 is correct: The aim of the programme is to create awareness, mobilize people and ensure their involvement in cleaning waste mainly Single-Use Plastic waste throughout the country.

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Statement 3 is correct: Department of Youth Affairs of the Ministry of Youth Affairs and Sports in commemoration of Azadi Ka Amrit Mahotsava is organizing a nationwide Clean India Programme from 1st October 2021 to 31st October 2021.

Q.3) With reference to Unetice culture, consider the following statements:

1. It inhabited parts of Europe around 1600 BC.
2. The distinguishing feature of this culture was its use of tin-bronze metallurgy.

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.

Explanation

- The Unetice culture inhabited parts of Europe around 1600 BC. It comprised early Bronze Age communities in central Europe including in Bohemia, Bavaria, southeastern Germany and western Poland.
- The Concise Oxford Dictionary of Archaeology notes that one of the distinguishing features of this culture was its use of tin-bronze metallurgy. Some of the metal artefacts made during this time by communities in the Unetice culture include ogival and triangular daggers with metal hilts, flanged axes, halberds, spiral arm-rings, solid bronze bracelets and varieties of pins.

Source: [Article](#)

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GEOGRAPHY

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

1. An increase in humidity will worsen the impact of a heat wave.
2. India does not recognize heat wave as a disaster under the Disaster Management Act.

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.

- The presence of humidity in the environment prevents the thermoregulatory mechanism of evaporative cooling of the body through the process of perspiration, which can cause heat stress thus exacerbating the impact of a heat wave.
- The Indian government does not recognize heat waves as potential threat to human lives. The National Disaster Management Act and the National Policy on Disaster Management do not include heat wave fatalities in their list of natural calamities and so no budgetary allocation is made to address the problem.

Source: [Article](#)

Q.2) Nepheline Syenite sometimes seen in news is a?

- a) Deep sea fish
- b) A unique rock
- c) Near Earth object
- d) Greek monument

Correct Answer: B

Explanation

- It is a holocrystalline plutonic rock that consists largely of nepheline and alkali feldspar.

Source: [Article](#)

Q.3) Ellesmere Island as seen in news is located in which of the following?

- a) UK
- b) Australia
- c) Canada
- d) Norway

Correct Answer: C

Explanation

- The island has been in news as a part of the Arctic's ice called "Last Ice Area" has started showing signs of melting earlier than what the scientists had expected.

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- The Last Ice Area is located north of Greenland and in Ellesmere Island in the Canadian territory of Nunavut.

Source: [Article](#)

Q.4) Wah blei is a tributary of which of the following rivers?

- Kynshi
- Dihang
- Kopili
- Longai

Correct Answer: A

Explanation

- Wah blei is the right bank tributary of Kynshi river. Kynshi river is in news due to the Mawsmai cave where a microsnail species was discovered recently.
- Mawsmai cave is situated in the small village of Mawsmai, around four kilometres from **Cherrapunjee** (Sohra) in the East Khasi Hills district of **Meghalaya**.
- The term 'Mawsmai' means 'Oath Stone' in the Khasi language. The Khasi people use the local term 'Krem' for the cave.
- The cave is located at an altitude of 1,195 metres above sea level and is indirectly influenced by the streams of the **Kynshi river** originating from the **East Khasi Hills**.

Source: [Article](#)

Q.5) With reference to La Nina, consider the following statements:

1. It represents warming of ocean surface temperatures in the central and eastern equatorial Pacific Ocean.
2. In India, this condition will lead to very less rainfall and a period of droughts.

Which of the statements given above is/are correct?

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

Correct Answer D

Explanation

Statement 1 is incorrect: It means the large-scale cooling of ocean surface temperatures in the central and eastern equatorial Pacific Ocean, together with changes in the tropical atmospheric circulation, namely winds, pressure and rainfall. It has the opposite impacts on weather and climate as El Niño, which is the warm phase of the El Niño Southern Oscillation (ENSO).

Statement 2 is incorrect: In India, La Niña means the country will receive more rainfall than normal, leading to floods

Q.6) Mount Harriet, in news, is related to which of the following state:

- Madhya Pradesh
- Lakshadweep
- Andaman and Nicobar Island
- Himachal Pradesh

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Correct Answer C

Explanation:

Statement c is correct: Recently, the Union government has renamed Mount Harriet of Andaman and Nicobar (A&N) Islands to Mount Manipur.

Mount Harriet, the third-highest island peak in A&N Islands, where Manipur's Maharaja Kulchandra Singh and 22 other freedom fighters were imprisoned during the Anglo-Manipuri war (1891). It has been renamed in a tribute to those freedom fighters of Manipur. Manipur celebrates Khongjom Day on 23rd April in commemoration of the freedom fighters of Anglo-Manipuri War.

Source: [Indian Express](#)

Q.7) Mawsmmai cave was recently seen in news. The cave is located in which of the following state?

- a) Assam
- b) Meghalaya
- c) Kerala
- d) Maharashtra

Correct Answer: B

Explanation:

Researchers have recently discovered a micro snail species named *Georissa mawsmmaiensis* from Mawsmmai, a limestone cave in Meghalaya.

Mawsmmai cave is situated in the small village of Mawsmmai, around four kilometres from Cherrapunjee (Sohra) in the East Khasi Hills district of Meghalaya.

The term 'Mawsmmai' means 'Oath Stone' in the Khasi language. The Khasi people use the local term 'Krem' for the cave.

The cave is located at an altitude of 1,195 metres above sea level and is indirectly influenced by the streams of the Kynshi river originating from the East Khasi Hills.

Source: [Micro snail species discovered in Meghalaya's Mawsmmai cave](#)

Q.8) Palin is a tributary of which of the following rivers?

- a) Subansiri
- b) Lohit
- c) Barak
- d) Dibang

Correct Answer: A

Explanation

- Palin is a tributary of Subansiri. It's in news because of a recent discovery of 3 fish species (*Aborichthys uniobarensis*, *Aborichthys barapensis* and *Aborichthys palinensis*). And these fish species are distributed in streams like Senki, Barap and Palin.

Q.9) Palk Strait, is a strait between which of the following countries:

- a) India and Sri Lanka
- b) India and Bangladesh
- c) Sri Lanka and Bangladesh
- d) India and Pakistan

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Correct Answer A

Explanation:

Statement a is correct: The **Palk Strait** is a strait between the Tamil Nadu state of India and the Jaffna District of the Northern Province of Sri Lanka.

Source: [TheHindu](#)

Q.10) With reference to Atmospheric Rivers, consider the following statements:

1. It is a flowing column of condensed water vapor in the atmosphere.
2. Global warming will lead to decrease in intensity of atmospheric rivers.

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:** Atmospheric rivers are projected to grow longer, wider and wetter in a warming climate.

Source: [DTE](#)

Q.11) Arrange the following seas from North to South direction:

1. Celebes
2. Banda
3. Ceram

Select the correct answer from the codes given below:

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

Correct Answer: D

Explanation:

The correct order from North to South -

- Celebes Sea
- Ceram Sea
- Banda Sea

These seas are around Sulawesi Island which is in news as museum scientists there have discovered 28 new species of beetles.

Source: [Indian Express](#)

Q.12) Eaglenest wildlife sanctuary, is located in which of the following Indian state:

- a) Odisha
- b) West Bengal
- c) Sikkim
- d) Arunachal Pradesh

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Correct Answer D

Explanation:

Statement d is correct: Eaglenest or Eagle's Nest Wildlife Sanctuary is a protected area of India in the Himalayan foothills of West Kameng District, Arunachal Pradesh. It conjoins Sessa Orchid Sanctuary to the northeast and Pakhui Tiger Reserve across the Kameng river to the east.

Source: [DTE](#)

Q.13) Parambikulam Dam is located in which of the following state?

- a) Kerala
- b) Maharashtra
- c) Tamil Nadu
- d) Goa

Correct Answer: A

Explanation:

Parambikulam Dam is an embankment dam on the Parambikulam River, Parambikulam located in the Palakkad district in the Western Ghats of Kerala.

The Parambikulam Aliyar Project agreement was signed between Kerala and Tamil Nadu on May 29, 1970, with retrospective effect from November 1958. It provides for the diversion of 30.5 thousand million cubic feet (tmc ft) annually from Kerala to Tamil Nadu. The dam is operated and maintained by Tamil Nadu but the ownership rests with Kerala.

Source: [Clearing the air on water: On Parambikulam Aliyar Project](#)

Q.14) Barak Valley is located in which of the following Indian State?

- a) Manipur
- b) Nagaland
- c) Bihar
- d) Assam

Correct Answer: D

Explanation:

The Barak Valley is located in the southern region of the Indian state of Assam. The region is named after the Barak river.

The Barak valley mainly consists of three administrative districts of Assam - namely Cachar, Karimganj, and Hailakandi. The main city of the valley is Silchar.

Source: [The Hindu](#)

Q.15) Sundarbans National Park, is located in which of the following Indian State:

- a) West Bengal
- b) Odisha
- c) Assam
- d) Madhya Pradesh

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Correct Answer A

Explanation:

Statement a is correct: The Sundarbans National Park is a national park, tiger reserve, and biosphere reserve in West Bengal, India.

Source: [DTE](#)

Q.16) In which of the following countries, Aral Sea is situated:

- a) Kazakhstan and Turkmenistan
- b) Uzbekistan and Turkmenistan
- c) Kazakhstan and Uzbekistan
- d) Tajikistan and Turkmenistan

Correct Answer C

Explanation

Statement c is correct: The Aral Sea is situated in Central Asia, between the Southern part of Kazakhstan and Northern Uzbekistan.

Source: [Chief Election Commissioner of India visits Uzbekistan as an International Observer for Presidential Elections](#)

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Bills, Acts and Regulations – Act - Security

Q.1) With reference to **Narcotics and Psychotropic Substances (NDPS) Act**, consider the following statements:

1. The act provides for immunity from prosecution to those who are dependent on drugs.
2. The Act prescribes quantity-based punishment. The Act differentiates between small and commercial quantities of various drugs.

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.

Narcotics and Psychotropic Substances (NDPS) Act was passed in 1985 to tackle the problem of illegal drugs in India. The Act establishes Narcotics Control Bureau as the apex drug law enforcement agency and empowers it to oversee the implementation of the NDPS Act.

The Act prescribes quantity-based punishment. The Act differentiates between small and commercial quantities of various drugs.

NDPS Act provides harsh sentences for those convicted of offences involves smuggling. It even provides for the death penalty in some cases where a person is a repeat offender.

But the same act also provides for immunity from prosecution to those who are dependent on drugs (through Section 64). It also provides the setting up of treatment facilities for addicts (through Section 71).

Source: [Drug usage and the NDPS Act – Explained, pointwise](#)

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Art and Culture - PAINTINGS - Kalamkari

Q.1) With reference to **Karuppur Kalamkari paintings**, consider the following statements:

1. The paintings are famous in Sothern Karnataka.
2. The paintings are done on pure cotton cloth and are predominantly used in temples.
3. The paintings evolved under the patronage of Chola rulers.

Which of the statements given above is/are correct?

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

Correct Answer: C

Explanation:

Karuppur kalamkari paintings and the Kallakurichi wood carvings have received geographical indication (GI) tags.

Statement 1 is incorrect: Karuppur Kalamkari paintings are done in Karuppur and its surrounding villages in Tamil Nadu.

Statement 2 is correct: The paintings are done on pure cotton cloth and are predominantly used in temples for umbrella covers, cylindrical hangings, chariot covers and asmanagiri (false ceiling cloth pieces).

Statement 3 is incorrect: The documentary evidence has shown that kalamkari paintings evolved under the patronage of Nayaka rulers in the early 17th century.

Source: [Karuppur kalamkari paintings, Kallakurichi wood carvings get geographical indication \(GI\) tags](#)

Q.2) With reference to **Museum Rietberg**, consider the following statements:

1. It is the art museum for non-European art.
2. It is located in Norway.
3. The museum has opened a new partnership initiative meant for scholars, curators and artists who specialise in Indian painting.

Which of the statements given above is/are correct?

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

Correct Answer: A

Explanation

Statement 1 is correct: Museum Rietberg was founded in 1952. It is the only art museum for non-European art in Switzerland, and houses collections from Asia, Africa, the Americas, and Oceania.

Statement 2 is incorrect: The museum is located in Zurich, Switzerland.

Statement 3 is correct: The museum has recently opened a GBF Centre, which is a public-private partnership initiative meant for scholars, curators and artists who specialise in Indian painting.

Source: [Research centre for Indian art set up in Zurich museum](#)

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Q.3) With reference to **Martand Sun Temple**, consider the following statements:

1. The temple is much older than Konark and Modhera.
2. The temple was built during the Lohara Dynasty.
3. The temple was destroyed by the orders of Muslim ruler Zain-ul-Abdin.

Which of the statements given above is/are correct?

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

Correct Answer: B

Explanation

Statement 1 is correct: The temple is one of the earliest known sun temples, much older than Konark and Modhera.

Statement 2 is incorrect: The temple was built by the third ruler of the Karkota Dynasty, Lalitaditya Muktapida, in the 8th century CE.

Statement 3 is incorrect: However, the temple is now in ruins, as it was destroyed by the orders of Muslim ruler Sikandar Shah Miri.

Source: [Union Minister inaugurates 250mm Seer Water supply scheme in Kashmir and visited Martand Sun Temple](#)

Q.4) With reference to **Calendars**, consider the following statements:

1. Gregorian calendar is the calendar used in most of the world.
2. Saka Calendar, which was based on the lunisolar system, was adopted as the National Calendar of India in 1957.
3. In lunar calendars months are lunar, but years are solar.

Which of the statements given above is/are correct?

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

Correct Answer: D

Explanation:

Statement 1 is correct: Gregorian calendar is the calendar used in most of the world. It was introduced in 1582 by Pope Gregory XIII as a minor modification of the Julian calendar. The calendar is based on the solar cycle.

Statement 2 is correct: Kushana king Kanishka is believed to have created a calendar that came to be known as the Saka Calendar. It is based on the lunisolar system. It was adopted as the National Calendar of India in 1957 after recommendation by a committee headed by eminent scientist Meghnad Saha.

Statement 3 is incorrect: In Lunar calendars, the dating system is based on a year consisting of synodic months—i.e., complete cycles of phases of the Moon. It is in the lunisolar calendar, months are lunar, but years are solar.

Source: [Bhaskarabda to be added to official Assam calendar](#)