

8 May 2024



Daily Current Affairs

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Date: 8 May 2024

Important News Articles

- 1. Kerala on alert as man dies of West Nile fever The Hindu
- 2. UN atomic chief urges Iran to take 'concrete' steps for cooperation- The Hindu
- 3. India opens up investment options for Russia to channel rupee balance- The Hindu
- 4. Focus on mother tongue from the early stages: CBSE- The Hindu
- 5. 5th Joint Group of Customs (JGC) meeting between India and Bhutan was held in Leh, Ladakh-PIB
- 6. Minors must be taught about 'virtual touch' to recognise risks in cyberspace: Delhi HC Indian Express
- 7. Delhi records its worst air quality since February; here's why Indian Express
- 8. TB vaccine MTBVAC gets approval for Phase 2 trials- The Hindu

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- 9. Maharashtra to translocate tigers to Sahyadri reserve: Role of wildlife corridors in tiger conservation
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Important News Articles

GSII

1. Kerala on alert as man dies of West Nile fever - The Hindu

Relevance: Issues relating to development and management of Social Sector/Services relating to Health, Education, Human Resources.

Prelims Takeaway

West Nile fever

1

News:

Kerala government recently issued an alert in the state against West Nile fever **Highlights:**

- A statement from the Health Minister said the infection had been reported from various districts in the State since 2011 and there was no reason to worry.
- District Medical Officers have been told to intensify pre-monsoon cleaning drives in coordination with the Department of Local Self-Government and the respective district administration.
- The infection was confirmed after samples of blood and cerebrospinal fluid of suspected patients were examined.

West Nile fever:

- West Nile fever is a mosquito-borne viral infection
- The disease is spread by the Culex species of mosquitoes.
- As per the World Health Organization (WHO), human infection is most often the result of bites from the infected mosquitoes.
 - This happens when they feed on infected birds, which circulate the virus in their blood for a few
 - There has been no human-to-human transmission so far.
- Symptoms of the infection include high fever, headache, neck stiffness, disorientation, stupor, coma, tremors, convulsions, muscle weakness, and paralysis.
- Most of the symptoms are similar to that of Japanese encephalitis.
 - However, 80% of the patients need not show any symptoms.
- According to WHO, treatment for patients with neuro-invasive West Nile virus often involve hospitalisation, intravenous fluids, respiratory support, and prevention of secondary infections.
- No vaccine is available for humans.

2. UN atomic chief urges Iran to take 'concrete' steps for cooperation- The Hindu

Relevance: Global Groupings and Agreements involving India and/or affecting India's interests.

UN atomic watchdog chief, urged the country to adopt "concrete" measures to bolster cooperation on its nuclear programme and address the international community's concerns.

Prelims Takeaway

- **IAEA**
- **Nuclear Technology**

Key Highlights:

- The International Atomic Energy Agency (IAEA) held talks with senior Iranian officials
- They insisted on the need to "settle differences" on the nuclear issue while **West Asia** was going through "difficult times",
- Particularly with the war between Israel and the Iran-backed Palestinian group Hamas in the Gaza
- Current political conditions pose obstacles to full-fledged cooperation between Iran and the international community.
- The **2023 deal** with Iran was "still valid" but required more "substance".
- The agreement was reached during IAEA's last visit to Iran and outlined basic cooperation measures including on safeguards and monitoring.

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- It is widely known as the world's "Atoms for Peace and Development" organization within the United Nations family.
- The IAEA was created in 1957 in response to the deep fears and expectations generated by the discoveries and diverse uses of nuclear technology.
- Mandate: It is the world's central intergovernmental forum for scientific and technical co-operation in the nuclear field. It works for the safe, secure and peaceful uses of nuclear science and technology.

3. India opens up investment options for Russia to channel rupee balance-The Hindu

Relevance: Bilateral, Regional and Global Groupings and Agreements involving India and/or affecting India's interests.

FEMA

- India-Russia

Prelims Takeaway

- Russia's payment problems with India may finally be coming to an
- Due to allowances made by the RBI, Russian entities now have a bouquet of investment options
 - Not just government securities and bonds but equity and loans to channelise their accumulating rupee balance.

Key Highlights:

- Russian entities can invest in a whole bouquet of avenues, which the country has started to make full
- India and Russia put in place a rupee payment system to circumvent the Western countries' economic sanctions against Russia following its attack on Ukraine
- Under the mechanism, a number of Russian banks, opened their rupee vostro accounts with authorised dealer banks in India, for enabling rupee trade between the two countries.
- The rising unused rupee balance for Russian entities in these accounts was a big concern for Russia.
- But now the rupee balance is being gainfully invested in the country itself,
- India has also identified Russian entities to invest in, such as the Vande Bharat sleeper trains project.
- Russia is now India's second largest import source. In 2023-24, India's imports from Russia increased 32.95 per cent to \$61.44 billion

4. Focus on mother tongue from the early stages: CBSE- The Hindu

Relevance: Issues Relating to Development and Management of Social Sector/Services relating to Health, Education, Human Resources.

Prelims Takeaway

- NEP. 2020
- **Education Sector**

News:

CBSE has instructed all its schools to make use of educational material that focuses on learning in one's mother tongue and encourages multilingual education.

Highlights:

- The CBSE circular is in line with the National Education Policy 2020 and the National Curriculum Framework 2022,
- It emphasises teaching and learning in the child's mother tongue, or regional and local language.
- Activity-based curriculum drawn up for Anganwadis.
- Centre releases curriculum framework for three to six-year-olds
- The sets of **primers** (Reading Books) for the local language and numerals to the kids of Balvatikas and Anganwadis, and for adult literacy programmes have been created
 - They are a key to pronunciation and comprehension of the letters of the alphabet and symbols of a language.
- The NCERT and the Indian Institute of Languages have collaborated to produce a series of 52 entrylevel primers tailored to various mother tongues and local languages spoken across India,
 - Bhutia, Bodo, Garo, Khandeshi, Kinnauri, Kuki, Manipuri, Nepali, Sherpa and Tulu are some of the languages the primers are available in.
- "Schools are encouraged to promote the use of these primers among teachers and students to develop strong language skills in their native language,



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- There is also an inherent challenge:
 - o Including the availability of skilled teachers capable of teaching in multilingual settings, for implementing the policy of teaching in local languages.

5. 5th Joint Group of Customs (JGC) meeting between India and Bhutan was held in Leh, Ladakh- PIB

Relevance: India and its Neighborhood- Relations.

News:

• The 5th Joint Group of Customs (JGC) meeting between India and Bhutan was held in Leh, Ladakh.

Prelims Takeaway

3

- India- Bhutan
- Act East Policy

Key Highlights:

- The 5th IGC meeting discussed a host of bilateral issues such as
 - Opening of new **Land Customs Stations** and notifying new trade routes, development of infrastructure, automation and digitisation of transit processes.
- Bhutan thanked the Government of India and the Central Board of Indirect Taxes and Customs for the continued support in
 - o Capacity building, training and skill development, of the Bhutan customs administration.
- India is Bhutan's top trade partner:
 - o both as an import source and as an export destination.
 - o Since 2014, India's trade with Bhutan has more than tripled to \$1,615 million in 2022-23, accounting for about **80% of Bhutan's overall trade**.
 - Trade with Bhutan through the land Customs Stations is significant as Bhutan is a land-locked country.
 - Enhancing connectivity with Bhutan is pivotal to India's 'Neighbourhood First' and the 'Act East' Policy.
- Both sides also agreed to consider new developments for facilitating customs and trade cooperation for mutual prosperity.

6. Minors must be taught about 'virtual touch' to recognise risks in cyberspace: Delhi HC - Indian Express

Relevance: Role of women and women's organization, population and associated issues, poverty and developmental issues, urbanization, their problems and their remedies.

Prelims Takeaway

- Virtual touch
- Cybersecurity

News:

• To enable children to recognise potential risk in cyberspace they must be taught the concept of Virtual touch, the Supreme Court said.

Highlights:

- Traditionally, efforts to protect minors from harm have focused on teaching them about 'good touch' and 'bad touch' in the physical realm.
 - However, in today's virtual world, it is crucial to extend this education to encompass the concept of 'Virtual Touch
- Minors must be equipped with the knowledge and tools to navigate **online interactions safely and recognise potential risks** lurking in cyberspace.
- Educating minors about 'Virtual Touch' involves teaching them
 - appropriate online behaviour
 - o recognising warning signs of predatory behaviour
 - understanding the importance of privacy settings and online boundaries.
- Just as children are taught to exercise caution in the physical world, efforts must be made to teach them to develop critical thinking skills to assess the credibility of online contacts and safeguard their personal information



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- Justice Sharma further emphasised concerned stakeholders should hold programmes, workshops, and conferences focusing not only on the traditional concepts of good and 'bad touch' but also on the "emerging concept" of 'virtual touch' and its potential dangers.
 - o They should **also include virtual touch in their curriculum.**

GS III

7. Delhi records its worst air quality since February; here's why - Indian Express

Relevance: Important Geophysical Phenomena

News:

• With winds raising dust the national capital recorded its worst air quality since February.

Prelims Takeaway

- Easterly winds
- Vortex

Highlights:

- The AQI dropped to the 'very poor' category, in Delhi NCR
- The Commission for Air Quality Management (CAQM) said that all agencies have been asked to **intensify actions for abatement of dust** arising from construction and demolition activities.
- Particulate matter load over the region has increased due to rapid changes in wind direction and speeds due to **high convection rate** and **absolute dry conditions**
- An IMD official pointed out that PM 10 levels are high on account of dust raised by prevailing easterly winds.
 - Since there has not been a significant amount of rainfall in a long time, the soil is dry, and the wind has been lifting dust
- AQI had deteriorated due to high local wind speeds lifting dust. High temperatures, above 40 degrees Celsius, in Delhi and parts of Rajasthan, Haryana and Uttar Pradesh, contributed to making a "closed vortex"
- The **boundary layer** (the layer of the troposphere in contact with the surface of the earth) was high thus making a closed vortex.
 - o This lifted the dust vertically high.

8. TB vaccine MTBVAC gets approval for Phase 2 trials- The Hindu

Relevance: Achievements of Indians in Science & Technology; Indigenization of Technology and Developing New Technology. **News:**

Prelims Takeaway

Tuberculosis

• CDSCO has approved Bharat Biotech International's proposal to conduct the phase II clinical trial of the Mycobacterium Tuberculosis (Live Attenuated) Vaccine.

Highlights:

- This clinical trial will assess the **safety and immunogenicity** in healthy adolescent and adult populations of the vaccine.
- The MTBVAC is the **first vaccine** against TB, derived from a human source to begin **clinical trials in adults** in India.
- Studying the safety, immunogenicity, and efficacy of **MTBVAC** in the most populated country in the world and the one with the **highest number of cases** of this infectious disease is key to continue advancing in this vaccine.
- Expert panel also suggested performing Molecular-based RT-PCR (Real-Time Reverse Transcription – Polymerase Chain) tests instead of Sputum AFB (Acid-Fast Bacilli) smear tests for diagnosis of TB

MTBVAC

- MTBVAC is the **only vaccine against tuberculosis in clinical trials based on a genetically modified form of the pathogen** isolated from humans **Mycobacterium tuberculosis**
- Unlike BCG, it contains all the antigens present in strains that infect humans.
- BCG [Bacillus Calmette and Guérin], is an **attenuated variant** of the bovine TB pathogen.



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- o It is more than a hundred years old and has a very limited effect on pulmonary tuberculosis
- **MTBVAC** is being developed for two purposes
 - o More effective and potentially **longer-lasting vaccine** than BCG for newborn children,
 - For the **prevention of TB in adults and adolescents**, for whom there is currently no effective vaccine

Editorials, Gists and Explainers

9. Maharashtra to translocate tigers to Sahyadri reserve: Role of wildlife corridors in tiger conservation

Relevance: Conservation, environmental pollution and degradation **Context:**

• To revive the population of tigers in Sahyadri Tiger Reserve (STR) — the lone tiger reserve in the Maharashtra western region — the state's forest department will soon translocate tigers from Tadoba-Andhari Tiger Reserve (TATR) in Chandrapur district.

Key highlights

- However, the objective of the project can only be achieved if the Sahyadri-Konkan wildlife corridor — forests in STR, Goa, and Karnataka serve as the corridor
 - Is secure enough and free from human disturbances, according to the experts.
- The tiger population in the region has been historically low due to poaching, poor prey base, and changing habitat.
- One way the population can increase is through the inflow of tigers from the forests, located towards the south of STR, in Goa and Karnataka, especially with the strengthening of the wildlife corridor.
- As a result, the translocation of tigers has been opted for short-term outcomes.

Is translocation the best approach for tiger recovery?

- There have also been failures and shelving of reintroduction plans, like in the case of Satkosia Tiger Reserve in Odisha, which was the country's first inter-state translocation project.
- Tiger corridors are crucial for the longterm and sustainable success of a translocation project,

What role do wildlife corridors play in conservation?

- Corridors are essentially habitats and pathways that connect wildlife populations, which are fragmented by human settlements and infrastructure works.
- They are crucial for the long-term survival of the tiger population as they help guard against localised extinctions and ensure the exchange of gene flow, which helps in population diversity.

What is the importance of the Sahyadri-Konkan corridor?

- The Sahyadri-Konkan corridor or the Sahyadri-Radhanagari-Goa-Karnataka corridor is crucial for the long-term survival of tiger populations in northern Western Ghats.
- This corridor connects the source population area in Kali Tiger Reserve in Karnataka to the forests in Goa's hinterland
 - Which in turn provides tigers connectivity to Radhanagari Wildlife Sanctuary, conservation reserves in Sindhudurg district and STR.
- The high occurrence of human-dominated settlements and development activities fragments this corridor at several locations, posing a threat to tiger movement and raising the chances of man-animal conflict.

Conclusion

- Corridors are not only important for wildlife but also for the water security of communities living around these forests in Goa and Karnataka.
- This is an important watershed area.
- Better coordination between Maharashtra, Goa, and Karnataka to manage this issue is need of an hour



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10. Rules for a new dawn for the Indian legal industry - The Hindu

Relevance: Effects of Liberalization on the Economy, Changes in Industrial Policy and their Effects on Industrial Growth.

Context:

- India's tryst with globalisation began in 1991, when the country liberalised its economy.
- Only few sectors have remained as insulated from global practices as the Indian legal industry.

Key highlights

- To some extent, this is understandable for applying Indian laws in accord with the country's socio-economic values.
- However, as India increasingly becomes a leading hub for cross-border commerce, the globalisation of the Indian legal industry becomes inevitable.
- Globalisation seeks to replace protectionist tendencies with a sense of universalism and synchronisation.
- It is with this spirit that the Bar Council of India had notified
 - The "Rules for Registration and Regulation of Foreign Lawyers and Foreign Law Firms in India,
 - Allowing foreign lawyers to set up their offices in India for some limited purposes.

A greater role for foreign lawyers

- The Bar Council of India has permitted registered foreign firms and lawyers to practise on transactional or corporate work.
- Foreign lawyers cannot appear before Indian courts, tribunals, or statutory authorities.
 - But, they are now permitted to advise and appear in international arbitration cases conducted in India, irrespective of whether foreign law may or may not be involved.
- The BCI Rules clearly envisage a greater role for foreign lawyers, in an intensely regulated framework.

Long-term benefits, but also risks

- While the BCI Rules may affect the immediate profitability of some Indian law firms and lawyers, the long-term benefits are expected to be immense.
 - The entry of foreign firms in India will also increase competition; thereby creating more job opportunities for Indian lawyers, fostering a better work culture.
- But, as with any liberalisation project, any optimism must be balanced against the risks that an unregulated market often brings.
 - Indian stakeholders have already identified some of these risks in ongoing conversations with the Bar Council of India.
- The ethical rules governing foreign-qualified lawyers may also differ from those in India, creating confusion as to which set of rules will apply in a transaction or arbitration setting.
- Finally, certain multi-jurisdictional law firms with offices in various countries may have greater monetary capabilities than their Indian counterparts, making it difficult for the latter to compete.
- It appears that the Bar Council of India is conscious of the pros and cons of its decision.
 - The regulator is not taking any decision in a hurry and remains in dialogue with the critics of its decision.
 - It is for these reasons that one may perceive the BCI Rules with careful optimism, and hope that it ushers the Indian legal industry towards a brighter future.





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Quick Look

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1. Deepfake

- Deepfake uses deep learning techniques in AI to generate videos, photos, or news that seems real but is actually fake.
- These techniques can be used to synthesise faces, replace facial expressions, synthesise voices, and generate news.
- This technique is also used to create special effects in movies.
- However, more recently this technique is being widely used by criminals to create disinformation.

2. Corals

- These are sessile animals attached to the ocean floor.
- When polyps die, their skeletons are used as foundations by new polyps.
- These stony coral skeletons, over thousands and millions of years, form complex coral reefs (or sea rainforests).
- Almost all of Lakshadweep's islands are coral atolls, with their soil largely derived from corals, and extant coral reefs around them.

3. FWD-200B

- It is an indigenous military grade bomber unmanned aerial vehicle (UAV).
- It is India's first indigenous unmanned bomber aircraft.
- It is designed and manufactured by Flying Wedge Defence and Aerospace Technologies, an Indian defence and aerospace company.
- It has a payload capacity of 100 kg and is classified as a MALE (medium-altitude, long-endurance) Unmanned Combat Aerial Vehicle.
- The Unmanned Aerial System (UAS) consists of optical surveillance payloads and is integrated with missile-like weapons for precision air strikes.

4. Black Sea

- It is a large inland sea located at the southeastern extremity of Europe.
- It is bordered by Ukraine to the north, Russia to the northeast, Georgia to the east, Turkey to the south, and Bulgaria and Romania to the west.
- Russia has the longest coastline on the sea, followed by Turkey and Ukraine.
- The Crimean Peninsula extends into it from the north.
- It is connected with the Aegean Sea(an arm of the Mediterranean Sea) through the Bosporus Strait, the Sea of Marmara, and the Dardanelles Strait, and with the Sea of Azov by the Kerch Strait.

5. Venus

- It is the second planet from the Sun and the sixth largest planet.
- It is the hottest planet in the Solar System, even though Mercury is twice as close to the Sun and receives four times more solar energy.
- Venus' atmosphere traps heat from the sun as an extreme version of the greenhouse effect that warms Earth.
- Temperatures on Venus reach 880 degrees Fahrenheit which is more than hot enough to melt lead.
- Venus and Earth are often called twins because they are similar in size, mass, density, composition and gravity.





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Prelims Track Question

Q1. Consider the following Statements regarding West Nile Virus (WNV):

- 1. The West Nile Virus is a mosquitoborne, single-stranded DNA virus
- human-to-human transmission of WNV happens through casual contact.
- 3. No WNV-specific treatment or vaccine is available.

How many of the above Statements is/are Correct?

- A. Only One
- B. Only Two
- C. All three
- D. None

Q2. Consider the following statements regarding IAEA

- It is widely known as the world's "Atoms for Peace and Development" organization
- 2. It was established in 1957 with its headquarter in Vienna, Austria
- 3. It works for the safe, secure and peaceful uses of nuclear science and technology.

How many of the above Statements is/are Correct?

- A. Only one
- B. Only two
- C. All three
- D. None

Q3. Consider the following Statements:

- The Kudankulam nuclear power plant, India's largest, is being built in Tamil Nadu with the technical assistance of USA
- 2. Russia is India's 2nd largest trading partner, in 2023-24
- 3. India had launched Operation Dost to assist people in Vietnam

How many of the above Statements is/are Correct?

- A. Only One
- B. Only Two
- C. All three
- D. None

Q4. Consider the following Statements regarding NEP,2020

- 1. Outlined by a committee under Dr. Kothari
- 2. aligned with the 2030 Agenda for Sustainable Development.
- 3. Targets 100% GER in Pre-School to Secondary Level by 2030.

How many of the above Statements is/are Correct?

- A. Only One
- B. Only Two
- C. All three
- D. None

Q5. Consider the Following Statements regarding Bhutan:

- 1. Gelephu Mindfulness city is a project in Bhutan
- 2. The longest river in Bhutan is the Dibang River with over 376 km in length
- 3. India has constructed only one Hydroelectric Project (HEP) in Bhutan

How many of the above Statements is/are Correct?

- A. Only one
- ===It's about quaBitOnly two
 - C. All three
 - D. None

Q6. Consider the following Statements regarding promotion of online safety for children

- 1. Incorporating digital literacy and online safety education in curriculum
- 2. Extending the concept of Virtual touch in the school learnings
- 3. Providing cybersecurity training only to parents/guardians

How many of the above Statements is/are Correct?

- A. Only one
- B. Only two
- C. All three
- D. None



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07. Consider the following statements regarding Easterlies

- 1. These are prevailing east-to-west winds that blow in the equatorial region of the Earth.
- 2. In the Northern Hemisphere they blow from the southeast direction
- 3. In the Southern Hemisphere they blow from the northeast direction

How many of the above Statements is/are Correct?

- A. Only one
- B. Only two
- C. All three
- D. None

Q8. Consider the following statements regarding TB vaccines

- 1. MTBVAC is the only vaccine against tuberculosis in clinical trials based on a genetically modified form of the pathogen isolated from humans.
- 2. Unlike BCG, MTBVAC contains all the antigens present in strains that infect humans.
- 3. BCG vaccine is highly effective in pulmonary tuberculosis

How many of the above Statements is/are Correct? =It's about quality==

- A. Only one
- B. Only two
- C. All three
- D. None

09. Consider the following pairs

- 1. Bandipur Tiger Reserve: Karnataka
- 2. Corbett Tiger Reserve: Uttarakhand
- 3. Kanha Tiger Reserve : Madhva Pradesh

How many of the above pairs are correctly matched?

- A. Only one
- B. Only two
- C. All three
- D. None

Q10. Consider the following Statements regarding Indian Legal System:

- 1. SUPACE portal is an AI based portal, launched by Bombay High Court
- The All India Judicial Services (AIJS) was first proposed by the 14th report of the Law Commission in 1958.
- 3. A High Court in India has the power to review its own judgement as the Supreme Court does.

How many of the above Statements is/are Correct?

- A. Only one
- B. Only two
- C. All three
- D. None



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Prelims Track Answer

Answer 1 Option A is Correct Explanation:

- The West Nile Virus is a mosquito-borne, single-stranded RNA virus. Hence
 Statement 1 is Incorrect
- No WNV-specific prophylaxis, treatment or vaccine is available.Hence Statement 3 is correct
- No human-to-human transmission of WNV happens through casual contact Hence Statement 2 is Incorrect

Answer 2 Option C is correct Explanation:

1 is correct.

- It is widely known as the world's "Atoms for Peace and Development" organization within the United Nations family. Statement
- The IAEA was created in 1957 in response to the deep fears and expectations generated by the discoveries and diverse uses of nuclear technology.
- It is headquarted in Vienna, Austria.

 Statement 2 is correct
- It is the world's central intergovernmental forum for scientific and technical cooperation in the nuclear field. It works for the safe, secure and peaceful uses of nuclear science and technology. **Statement 3 is correct.**

Answer 3 Option A is Correct Explanation:

- The Kudankulam nuclear power plant, India's largest, is being built in Tamil Nadu with the technical assistance of Russia.
 Hence Statement 1 is Incorrect
- Russia is India's 2nd largest trading partner, in 2023-24 Hence Statement 2 is correct
- India had launched Operation Dost to assist people in Turkey and Syria affected by Earthquake. Hence Statement 3 is Incorrect

Answer 4 Option B is Correct Explanation:

 The Ministry of Education formed a committee under Dr. K Kasturirangan, which outlined this new policy. Hence Statement 1 is Incorrect

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- This policy is aligned with the 2030 Agenda for Sustainable Development.Hence
 Statement 2 is correct
- Targets 100% GER in Pre-School to Secondary Level by 2030. 50% GER in Higher Education by 2035.Hence Statement 3 is correct

Answer 5 Option A is Correct Explanation

- Gelephu Mindfulness city is a project in Bhutan Statement 1 is correct
- The longest river in Bhutan is the Manas River with over 376 km in length. Statement 2 is INcorrect
- India has completely constructed 4
 Hydroelectric Project (HEP) in Bhutan
 - Chukha HEP,
 - Kurichhu HEP
 - Tala HEP which is operational and exporting surplus power to India.
- Recently, India completed a 720 MW
 Mangdechhu Hydroelectric Power
 Project Statement 3 is INcorrect

Answer 6 Option B is correct Explanation:

- Steps that can lead to promotion of online safety for Children
 - Incorporating digital literacy and online safety education into the curriculum
 - Extending the education of Virtual touch in school learnings
 - Developing critical thinking skills to assess the credibility of online contacts and safeguard their personal information
 - hold programmes, workshops, and conferences should be held focusing on the concept of cyberspace and its potential dangers for Children. Hence, statements 1,2 are correct.



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Answer 7 Option A is correct Explanation:

- Easterlies are the prevailing east-to-west winds that blow in the equatorial region of the Earth. Statement 1 is correct.
- The trade winds blow mostly from the northeast in the Northern Hemisphere.
 Statement 2 is incorrect.
- In the Southern Hemisphere they blow from the southeast direction. Statement 3 is incorrect

Answer 8 Option B is correct Explanation:

- MTBVAC is the only vaccine against tuberculosis in clinical trials based on a genetically modified form of the pathogen isolated from humans Mycobacterium tuberculosis. Statement 1 is correct.
- BCG [Bacillus Calmette and Guérin], is an attenuated variant of the bovine TB pathogen.
- Unlike BCG, MTBVAC contains all the antigens present in strains that infect humans. Statement 2 is correct.
- BCG vaccine is more than a hundred years old and has a very limited effect on pulmonary tuberculosis. Statement 3 is incorrect.

Answer 9 Option C is correct Explanation

- List Of Tiger Reserves In India
- Bandipur Tiger Reserve Karnataka. ...
- Corbett Tiger Reserve (Uttarakhand) & Amangarh Buffer (Uttar Pradesh) ...
- Kanha Tiger Reserve Madhya Pradesh. ...
- Manas Tiger Reserve Assam. ...
- Melghat Tiger Reserve Maharashtra. ...
- Palamau Tiger Reserve Jharkhand....
- Ranthambore Tiger Reserve. ...
- Simlipal Tiger Reserve Odisha. Hence all pairs are correct

Answer 10 Option A is Correct Explanation:

- SUPACE portal is an AI based portal, launched by the Supreme Court of India.
 Hence Statement 1 is Incorrect
- The All India Judicial Services (AIJS) was first proposed by the 14th report of the Law Commission in 1958. Hence Statement 2 is correct
- A High Court in India does not have the power to review its own judgement as the Supreme Court does. Hence Statement 3 is Incorrect



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ABOUTUS

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