

10 PM Current Affairs Quiz Compilation

16th to 20th August, 2022

PRELIMS

Q.1) Which of the following factors can contribute in making India a developed nation?

- 1) Increasing the received price of farm products for farmers.
- 2) Speedy dispute redressal process

Select the correct answer using the codes given below

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

Ans) b

Statement 1 is incorrect. India's route to developed country status requires people to move out of farms much faster. And that can only happen if farming is reformed and manufacturing flourishes.

Statement 2 is correct. Indian courts' performance in contract enforcement is among the worst in the world. NCLT, critical to the bankruptcy process, had 30 vacancies in mid-July. There are vacancies and huge backlogs in the entire judicial system that dilute the efficacy of most reforms, especially when judges also wade into policy, usually creating more problems. If these persist, India's economy will get bigger but its economic status won't change.

Q.2) Consider the following statements regarding Global Gender Gap (GGG) Index?

- 1) India's ranking in the index has been consistently improving in the last 5 years.
- 2) In 2022, India's performance has been improved in all indicators compared to 2021.

Select the correct answer using the codes given below

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

Ans) b

Statement 1 is incorrect.

In 2018, India was ranked 108

2019, report not found

In 2020, India was ranked 112

In 2021, India was ranked 140

In 2022, India is ranked 135.

Statement 2 is correct.

Q.3) Consider the following statements regarding North Eastern Council?

- 1) It is the nodal agency for the economic and social development of the North Eastern Region
- 2) The North Eastern Council was constituted in 1971 by an Act of Parliament.

Select the correct answer using the codes given below

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

Ans) c

Statement 1 is correct. The North Eastern Council is the nodal agency for the economic and social development of the North Eastern Region which consists of the eight States of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura.

Statement 2 is correct. The North Eastern Council was constituted in 1971 by an Act of Parliament. The constitution of the Council has marked the beginning of a new chapter of concerted and planned endeavour for the rapid development of the Region.

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

1. It is the softest known mineral and is mined from underground deposits.
2. It is used in a variety of cosmetic and personal care products like baby powder, lipstick, eyeshadow and foundation.
3. Pure talc can cause lung cancer, ovarian cancer and other health conditions.

Which of the statements given above is/are correct?

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

Answer: C

Statement 1 is correct: It is the softest known mineral and is mined from underground deposits.

Statement 2 is correct: It is used in a variety of cosmetic and personal care products like baby powder, lipstick, eyeshadow and foundation.

Statement 3 is incorrect: Asbestos, the name for another group of naturally occurring silicate minerals, can also be found near talc deposits.

According to the FDA, there is the potential for contamination of talc with asbestos. Asbestos has been used in construction and manufacturing and is known to cause lung cancer, ovarian cancer, mesothelioma and other health conditions.

Source: [Indian Express](#)

Q.4) Consider the following statements regarding Lactose Intolerance?

- 1) A person who is lactose intolerant lacks the gene to break down lactose.
- 2) Lactose is a sugar present in milk that cannot be naturally broken down in the stomach

Select the correct answer using the codes given below

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

Ans) c

Statement 1 is correct. Studies on the global prevalence of this mutation suggest that 65% of humanity is lactose-intolerant, meaning they lack the gene to break down lactose into adulthood. Statement 2 is correct. Beyond the age of five, lactose, a sugar present in milk, cannot be naturally broken down in the stomach and this remains in the gut causing flatulence, acidity and diarrhoea.

[Base Article](#)

Q.5) Consider the following statements regarding Langya virus

- 1) It is a new zoonotic virus
- 2) It is related to henipavirus family

Select the correct answer using the codes given below

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

Ans) c

Statement 1 is correct. A new zoonotic virus that has evolved to infect humans was identified in China in August.

Statement 2 is correct. Langya virus' pathogen belongs to the henipavirus family, closely associated with Nipah and Hendra viruses, and was noticed to cause fever, and respiratory symptoms among 35 people in China since 2018.

Q.7) Consider the following pairs,

Wetlands	-	Associated States
1. Tampara Lake	-	Odisha
2. Yashwant Sagar	-	Madhya Pradesh
3. Suchindrum Theroor	-	Karnataka
4. Hygam Wetland	-	Jammu and Kashmir

How many pairs given above are correctly matched?

- a) Only one pair
- b) Only two pairs
- c) Only three pairs
- d) All four pairs

Answer: C

10 PM Compilation for the Month of August, (Third Week) 2022

Wetlands	-	Associated States
1. Tampara Lake	-	Odisha
2. Yashwant Sagar	-	Madhya Pradesh
3. Suchindrum Theroor	-	Tamil Nadu
4. Hygam Wetland	-	Jammu and Kashmir

Source: [PIB](#)

Q.8) Nagorno-Karabakh is a disputed region between which of the following countries?

- a) Turkey and Azerbaijan
- b) Armenia and Azerbaijan
- c) Armenia and Turkey
- d) France and Italy

Answer: B

The conflict between Armenia and Azerbaijan over Nagorno-Karabakh has been at the centre of three major wars and multiple clashes for decades. The recent flare-up began after Azerbaijan claimed that it had captured the territory in Karabakh in retaliatory action.

Source: [The Hindu](#)

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

- 1. Under it, Passenger face would act as documents, like ID proof, Vaccine proof and also act as a boarding pass.
- 2. It is implemented by Directorate General of Civil Aviation.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: The 'DigiYatra' is a Biometric Enabled Seamless Travel experience(BEST) based on Facial Recognition Technology. It aims to provide a paperless and seamless travel experience to the passengers.

The initiative will make the boarding process significantly faster and more seamless as each passenger would need less than three seconds at every touchpoint. Their face would act as their documents, like ID proof, Vaccine proof and also act as a boarding pass.

Statement 2 is incorrect: It is implemented by the DigiYatra Foundation — a joint-venture company registered under the Companies Act, 2013.

Source: [Indian Express](#)

10 PM Compilation for the Month of August, (Third Week) 2022

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

1. It is a famous sanskrit book written by Kalidasa.
2. It comprises verses in praise of Lord Rama when read from one side and, when read backwards, it transformed into verses dedicated to Lord Krishna.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: Shriram Velankar was a Sanskrit poet of eminence who had been conferred the President's Award for Sanskrit in 1996 He wrote the book Viloma Kavya.

Statement 2 is correct: The book is considered a literary masterpiece because it comprises verses in praise of Lord Rama when read from one side and, when read backwards, it transformed into verses dedicated to Lord Krishna.

Source: [Indian Express](#)

PRELIMS

Q.1) Consider the following statements regarding Aspirational Districts Programme (ADP)

- 1) It is focussed on selecting the best performing districts in manufacturing high value products.
- 2) The program promotes competition among districts.
- 3) Districts will be ranked on the basis of Key Performance Indicators (KPIs)

Select the correct answer using the codes given below

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

Ans) b

Statement 1 is incorrect. The Aspirational Districts programme aims to quickly and effectively transform 112 most under-developed districts across the country.

Statement 2 is correct. The broad contours of the programme are Convergence (of Central & State Schemes), Collaboration (of Central, State level 'Prabhari' Officers & District Collectors), and Competition among districts through monthly delta ranking; all driven by a mass movement.

Statement 3 is correct. With States as the main drivers, this program focuses on the strength of each district, identifying low-hanging fruits for immediate improvement and measuring progress by ranking districts on a monthly basis. The ranking is based on the incremental progress made across 49 Key Performance Indicators (KPIs) under 5 broad socio-economic themes - Health & Nutrition, Education, Agriculture & Water Resources, Financial Inclusion & Skill Development and Infrastructure.

Q.2) Consider the following statements regarding F-INSAS Programme

- 1) It is focussed on developing indigenous automatic weapons for the army.
- 2) Nipun mines are anti-personnel and anti-tank mines.

Select the correct answer using the codes given below

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

Ans) d

Statement 1 is incorrect. F-INSAS is not just focussed on weapons. It is aimed at increasing the operational capability of the soldier. As part of the project, soldiers are being equipped with modern systems that are lightweight, all-weather-all-terrain, cost-effective and low maintenance. It includes body armours and other equipment as well like Helmet and visor, Clothing, Weapons and Accessories.

Statement 2 is incorrect. Nipun is and is designed and developed indigenously. These mines act as the first line of defence against the infiltrators and advancing enemy infantry. Thus, these are Anti-Personnel Mines.

10 PM Compilation for the Month of August, (Third Week) 2022

Q.3) Consider the following statement

- 1) Prison is a concurrent subject.
- 2) State government are empowered to remit sentences under Code of Criminal Procedure (CrPC).

Select the correct answer using the codes given below

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

Ans) b

Statement 1 is incorrect. Prison is a state subject.

Statement 2 is correct. Under Articles 72 and 161 of the Constitution, the President and Governors have the power to pardon, and to suspend, remit, or commute a sentence passed by the courts. Also, since prisons is a state subject, state governments have powers under Section 432 of the Code of Criminal Procedure (CrPC) to remit sentences.

Q.4) Recently, FIFA, suspended the country's top administrative organisation for football AIFF, which of the following statements are correct regarding its possible impacts?

- 1) Men football team will be banned from any international match, but women and under 15 football team will still be able to play the international match.
- 2) AIFF officials cannot take part in international courses and development programs related to football.

Select the answer using the codes given below

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

Ans) b

Statement 1 is incorrect. The suspension means, firstly, no international football — and this applies to all national teams, across all age groups. It also applies to both men's and women's football, and to all club teams in India.

Statement 2 is correct. The suspension also impacts international transfers, as well as any courses or developmental programs that AIFF officials could, or were taking part in. This in effect means a total ban on all football-related activities outside India.

Q.5) Which of the following statements is incorrect regarding ethanol blending?

- a) It can reduce stubble burning
- b) It reduces the emission of nitrous oxide
- c) It reduces the emission of carbon dioxide
- d) Sugarcane is the cheapest source of ethanol

Ans: B

By using the left-over residue from rice harvests to make ethanol, stubble burning will also reduce.

Ethanol burns completely emitting nil carbon dioxide. By using the left-over residue from rice harvests to make ethanol, stubble burning will also reduce. The 2G ethanol project inaugurated last week will reduce greenhouse gases equivalent to about three lakh tonnes of CO₂ emissions

10 PM Compilation for the Month of August, (Third Week) 2022

per annum, which is the same as replacing almost 63,000 cars annually on our roads. However, it does not reduce the emission of another key pollutant — nitrous oxide.

Q.6) Paalan 1000 Campaign which is in news recently, is focused on which of the following?

- a) It focuses on the primary education of children upto class V.
- b) It focuses on breastfeeding of children in the first one year of their life.
- c) It focuses on the cognitive development of children in the first two years of their life.
- d) It focuses on the child's physical development through enough physical activities on school and home.

Answer: C

Paalan 1000 campaign focuses on the cognitive development of children in the first two years of their life.

Features: The app will provide practical advice to caregivers on what they can do in their everyday routine and will help clear doubts.

– The app combines coaching for parents, families and other caregivers with services designed to meet the families' basic needs.

Significance: The campaign is aligned with the mission of the Rashtriya Bal Swasthya Karyakram(RBSK) which emphasizes on responsive care and focused interventions during the first 1,000 days of a child.

Q.7) Which of the following is/are the contributions of Council of Scientific and Industrial Research?

- 1. Development of indelible ink made up of silver nitrate to address various challenges in voting.
- 2. Development of agrochemicals during the green revolution.
- 3. Developed technologies to convert buffalo milk into powder during food crisis.

Select the correct answer using the codes given below;

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

Answer: D

The CSIR's National Physical Laboratory developed the **indelible ink made up of silver nitrate** to address various challenges in voting.

During the Green Revolution: The CSIR helped in the development of agrochemicals and the mechanisation of agriculture. Two public sector companies were founded, post-Independence, based on technologies developed in the CSIR's laboratories.

Indigenous development of the Swaraj tractor at the CSIR-Central Mechanical Engineering Research Institute (CMERI), led to the formation of Punjab Tractors Ltd. in 1970.

Dairy sector: In the 1950s, when solving the infant food problem, the CSIR successfully developed technologies to convert buffalo milk into powder and commercialised it with the help of Amul Industries.

Source: [The Hindu](#)

10 PM Compilation for the Month of August, (Third Week) 2022

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

1. Damage to the cornea is one of the leading causes of blindness across the world.
2. The cornea is the innermost layer at the back of the eye.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: Damage to the cornea is one of the leading causes of blindness across the world leaving approximately 12.7 million people blind.

Statement 2 is incorrect: The cornea is the clear outer layer at the front of the eye. The cornea helps the eye to focus light so that one can see clearly.

Source: [Indian Express](#)

Q.9) Which of the following is/are considered as a Second-generation ethanol?

1. Rice husks
2. Sugarbeets
3. Wheat straw
4. Algae
5. Sugarcane bagasse

Select the correct answer using the codes given below;

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

Answer: C

In first-generation ethanol or 1G, raw materials used are food sources like sugarcane, seeds, and Sugarbeets.

Second-generation ethanol or 2G uses farm waste after harvests like rice husks, corn cobs, wheat straw and sugarcane bagasse.

Third-generation ethanol uses algae.

Source: [The Hindu](#)

10 PM Compilation for the Month of August, (Third Week) 2022

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

1. The platform aims to promote collaboration between various health service providers.
2. The platform will facilitate knowledge transfers and interactions.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: It is a platform to promote collaboration at scale between industry and the scientific research and development ecosystem to help meet India's scientific missions and goals in alignment with the UN defined Sustainable Development Goals(SDG) charter.

Statement 2 is correct: The platform will facilitate knowledge transfers and interactions through information exchange sessions, exhibitions and events to develop a framework for future science, innovation, and technology-led growth.

Source: [PIB](#)

PRELIMS

Q.1) Equator passes through which of the following South East Asian countries?

1. Malaysia
2. Indonesia
3. Philippines

Which of the statements given above is/are correct?

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

Answer- d

Equator passes through only one South east Asian country that is Indonesia.

Q.2) Which of the following statements best describes “Participatory democracy”?

- a) It is a model of democracy in which no one group dominates politics and organized groups compete with each other to influence policy.
- b) It is a model of democracy in which a small number of people, usually those who are wealthy and well-educated, influence political decision making.
- c) It is a model of democracy in which citizens have the power to decide directly on policy and politicians are responsible for implementing those policy decisions.
- d) It is a model of democracy in which citizens are directly responsible for making policy decisions.

Ans - c

Pluralist democracy is a model of democracy in which no one group dominates politics and organized groups compete with each other to influence policy.

Elite democracy is a model of democracy in which a small number of people, usually those who are wealthy and well-educated, influence political decision making.

Participatory democracy is not the same as direct democracy, in which citizens are directly responsible for making policy decisions.

Q.3) Consider the following pairs:

- Wetland - State/UT
1. Wular lake - Jammu and Kashmir
 2. Asan barrage - Assam
 3. Lonar lake - Telangana

Which of the pairs given above is/are correctly matched?

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

Answer-a

Lonar lake is in Maharashtra, It is the only crater lake in the country formed by the meteorite impact.

10 PM Compilation for the Month of August, (Third Week) 2022

Wular lake, the largest freshwater lake in India with extensive marshes of emergent and floating vegetation is in J and k Asan Barrage is in Uttarakhand.

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

1. Waves transfer energy and the size of a wave depends on the amount of energy that it carries.
2. Waves produce erosional formations like cliffs, wave cut platforms, sea arches.
3. Breakwaters and sea walls are structures that increase the intensity of waves.

Which of the statements given above are correct?

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

Answer-a

Waves are caused by wind on the surface of the water that creates friction between the air and the water. Other waves are caused by abrupt disruptions in the ocean or the movement of tides. Ocean waves do not actually cause the water to move but are instead the movement of energy through the water with very little movement of the actual water. Waves transfer energy and the size of a wave and the distance it travels depends on the amount of energy that it carries.

The energy of waves produces erosional formations like cliffs, wave cut platforms, sea arches, and sea stacks.

When waves reach the shore, deposits like beaches, spits, and barrier islands form in certain areas. Groynes, jetties, breakwaters, and sea walls are structures humans build to protect the shore from the erosion of breaking waves.

Q.5) What is/are the consequences of high Out of Pocket Expenditure on health?

1. It can lead to an increased level of poverty.
2. It can reduce the life expectancy of the population.
3. It is directly proportional to public health expenditure.

Which of the statements given above is/are correct?

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

Answer-c

Health of a nation depends critically on its citizens having access to an equitable, affordable and accountable healthcare system. The Out of Pocket Expenditure (OOPE) as a share of total health expenditure of households drops precipitously when public health expenditure increases.

OOPE for health increases the risk of vulnerable groups slipping into poverty because of catastrophic health expenditure. The life expectancy in a country correlates positively with per capita public health expenditure.

10 PM Compilation for the Month of August, (Third Week) 2022

Q.6) With reference to All India Service officers, consider the following statements;

1. Suspension of an AIS officer from the service by a State government will have to be ratified by the Centre before the end of three months.
2. Department of Personnel and Training (DoPT) is the cadre controlling authority of all the AIS officers.
3. Before any officer of the AIS is called for deputation to the Centre, his or her concurrence is required.

Select the correct answer using the codes given below;

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

Answer: C

Statement 1 is correct: Suspension of an officer from the service by a State government will have to be ratified by the Centre before the end of three months.

Statement 2 is incorrect: Department of Personnel and Training (DoPT) is the cadre controlling authority of IAS officers. The same role is played by the Police Division in the Ministry of Home Affairs (MHA) and the Ministry of Environment with respect to the IPS and the IFoS Officers respectively.

Statement 3 is correct: Before any officer of the AIS is called for deputation to the Centre, his or her concurrence is required. Further, the officers have to get a no-objection clearance from the State government for Central deputation

Source: [The Hindu](#)

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

1. A facial image of a child is taken instead of fingerprint for enrolment.
2. It is a blue-coloured variant of the Aadhaar Card which is issued for children below the age of 5 years.

Which of the statements given above is/are correct?

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

Answer: C

Statement 1 is correct: A facial image of a child is taken instead of fingerprint for enrolment.

Statement 2 is correct: It is a blue-coloured variant of the Aadhaar Card which is issued for children below the age of 5 years.

Source: [Hindustan Times](#)

10 PM Compilation for the Month of August, (Third Week) 2022

Q.8) Lake Garda, which was in the news recently, is located in which of the following country?

- a) Canada
- b) South Africa
- c) Italy
- d) Australia

Answer: C

Lake Garda is also known as Benaco. It is the largest lake in Italy. Italy's worst drought in decades has reduced Lake Garda to near its lowest level ever recorded.

Source: [VOA](#)

Q.9) With reference to Ice-albedo feedback, consider the following statements;

- 1. Sea ice and snow have a higher albedo than land and water.
- 2. Melting of sea ice will make the ocean less capable of absorbing solar radiation.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: Sea ice and snow have high albedo, implying that they are capable of reflecting most of the solar radiation compared to water and air.

Statement 2 is incorrect: Global warming is resulting in diminishing sea ice. As the sea ice melts, the Arctic Ocean will be more capable of absorbing solar radiation.

Source: [The Hindu](#)

Q.10) With reference to Traditional Knowledge Digital Library (TKDL), consider the following statements;

- 1. The TKDL provides information in only in the scheduled languages of India.
- 2. The TKDL prevents the inaccurate grant of patents.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: The TKDL currently contains information from existing literature related to Indian Systems of Medicine (ISM) such as Ayurveda, Unani, Siddha, Sowa Rigpa and Yoga.

The information is documented in a digitized format in five international languages which are English, German, French, Japanese and Spanish.

Statement 2 is correct: TKDL provides information in languages and formats understandable by patent examiners at Patent Offices worldwide, so as to prevent the erroneous grant of patents.

Source: [PIB](#)

PRELIMS

Q.1) Consider the following statements regarding Web 3.0

- 1) It is a blockchain technology-based framework.
- 2) It will be a centralized system, controlled and monitored by an expert authority.

Select the correct answer using the codes given below

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

Ans) a

Statement 1 is correct. Web 3.0 powered by blockchain technology can really be helpful in many ways. Using blockchain technology the speed of transactions can improve to astonishing levels. From 7 transactions per second (TPS) with Bitcoin in the initial days to 50000 TPS with Solana today, blockchain technology can really transform the course of the future of the internet and how we are accustomed to using it.

Statement 2 is incorrect. Web 3.0 refers to a new, improved, and democratized, internet ecosystem which will be free from any sort of central authority.

Q.2) Which of the following will increase the liability of the government?

1. Capital expenditure
2. Salaries of employees
3. Borrowings by PSUs

Select the correct answer from the codes given below:

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

Answer: c

- Borrowings by PSUs would increase the liabilities of the government.
- Capital expenditure creates assets for the government and causes reduction in liabilities for the government.
- Unlike capital expenditure, revenue expenditure is one that neither creates assets nor reduces any liability of the government.
- Salaries of employees, interest payment on past debt, subsidies, pension, etc, fall under the category of revenue expenditure.

Q.3) With reference to VINBAX, consider the following statements;

1. It is a bilateral military exercise between India and Vietnam.
2. The exercise has been conducted alternatively in both countries since 2010.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: It is a bilateral military exercise between India and Vietnam.

Statement 2 is incorrect: The 2022 edition is the first time ever that the Vietnam People's Army (VPA) was undertaking a Field Training Exercise with any foreign Army. The fact that Vietnam chose India for this speaks volumes about the value the two countries place on their mutual relationship.

Source: [PIB](#)

Q.4) Consider the following statements

- 1) It is a national park situated in the Indian state of Rajasthan.
- 2) The Chinkara or Indian Gazelle is a common antelope of this region.
- 3) The Great Indian Bustard is found here in relatively fair numbers.

Which of the following National Park is described in the statements above?

- a) Bandipur National Park
- b) Dudhwa National Park
- c) Hemis National Park
- d) Desert National Park

Ans) D

Source: [The Hindu](#)

Q.5) Consider the following statements regarding Tilapia Fish

- 1) The tilapia is considered as "aquatic chicken" due to its quick growth and low maintenance cultivation.
- 2) Tilapia is one of the most productive and internationally traded food fish 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

Answer: C

'Tilapia' has emerged to be one of the most productive and internationally traded food fish in the world.

The culture of tilapia has become commercially popular in many parts of the world and fishery experts have dubbed the tilapia as "aquatic chicken" due to its quick growth and low maintenance cultivation.

Source: [PIB](#)

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

1. These are solid plastic particles of less than one micrometer in their largest dimension.
2. Microplastics reduces the growth and reproductive output in marine animals.

Which of the statements given above is/are correct

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

Answer: B

Statement 1 is incorrect: Microplastics are solid plastic particles of less than one millimeter in their largest dimension.

These are used in cosmetics and personal care products, industrial scrubbers which are used for aggressive blast cleaning, microfibers used in textiles and virgin resin pellets used in plastic manufacturing processes.

Statement 2 is correct: Microplastics damage aquatic creatures including turtles and birds. It blocks digestive tracts, and alters feeding behavior. Subsequently, it reduces the growth and reproductive output in marine animals.

Q.7) Which of the following statements is/are true about Electromagnetic Field(EMF)?

1. Electromagnetic fields are a combination of invisible electric and magnetic fields of force.
2. These fields are produced only by natural sources.
3. Electromagnetic fields are present everywhere in the environment.

Select the correct answer using the codes given below;

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

Answer: C

Electromagnetic fields are a combination of invisible electric and magnetic fields of force.

Electromagnetic fields are present everywhere in the environment but are invisible to the human eye.

Natural Sources: Electric fields are produced by the local build-up of electric charges in the atmosphere associated with thunderstorms. The earth's magnetic field causes a compass needle to orient in a North-South direction and is used by birds and fish for navigation.

Human-made sources: It includes medical equipment using static fields (e.g. MRI), electric appliances using low frequency electric and magnetic fields (50/60 Hz), and various wireless, telecommunications and broadcasting equipment using high radio frequency electromagnetic fields.

Q.8) Recently which of the following state has been declared First 'Har Ghar Jal' Certified State?

- a) Kerala
- b) Tamil Nadu
- c) Goa
- d) Gujarat

Answer: C

Goa and Dadra & Nagar Haveli and Daman & Diu (D&NH and D&D) became the first 'Har Ghar Jal' certified State and UT in the country respectively.

Source: [PIB](#)

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

- 1. It is listed as Critically Endangered under IUCN Red List.
- 2. It was the only animal in the Thylacinidae family to survive in modern times.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: It was considered Extinct. The last Tasmanian tiger died at Hobart Zoo in 1936.

Statement 2 is correct: It was the only animal in the Thylacinidae family to survive in modern times.

Source: [Indian Express](#)

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

- 1. It is the method of creating a species that went extinct or is endangered, in order to revitalize ecological diversity.
- 2. So far, this technology has not been used anywhere 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

Answer: A

Statement 1 is correct: De-extinction or resurrection biology is the method of creating a species that went extinct or is endangered, in order to revitalize ecological diversity and balance shattered due to reasons ranging from biodiversity loss to climate change.

Statement 2 is incorrect: The Pyrenean ibex, a subspecies of Spanish ibex was one of the first extinct animals that have been resurrected using somatic cell nuclear transfer(SCNT), even though the baby Ibex died minutes after its birth from a lung defect.

Source: [Indian Express](#)

PRELIMS

Q.1) Mudhol hounds, recently seen in news, are indigenous to which of the following states of India?

- a) Panjab
- b) Andhra Pradesh
- c) Tamil Nadu
- d) Karnataka

Ans) d

Mudhol hounds, a breed of hunting dogs native to north Karnataka, could be inducted into the Special Protection Group (SPG), the elite force protecting the Prime Minister of India.

Base article

Q.2) Recently, released Draft Indian Ports Bill, 2022, has been released to fulfill which of the following objectives?

- 1) To ensure the prevention of pollution in ports
- 2) To increase the trade volume from Indian ports 10-fold in next 10 years.

Select the correct answer using the codes given below

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

Ans) a

The draft IP Bill 2022 seeks to repeal and replace the existing 1908 Act. The primary objectives of the proposed bill are four-fold:

- 1. promote integrated planning between States inter-se and Centre-States through a purely consultative and recommendatory framework;
- 2. ensure prevention of pollution measures for all ports in India while incorporating India's obligations under international treaties;
- 3. address lacunae in the dispute resolution framework required for burgeoning ports sector;
- 4. usher-in transparency and cooperation in development and other aspects through use of data.

Q.3) Consider the following statements regarding draft international pandemic treaty:

- 1) Treaty was proposed at World Health Assembly (WHA).
- 2) It proposes protection from pandemics based on equity and human rights.

Select the correct answer using the codes given below

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

Ans) c

10 PM Compilation for the Month of August, (Third Week) 2022

Statement 1 is correct. The genesis of the treaty was at the second special session of the World Health Assembly (WHA) held in December 2021, which formally launched the process for the development of the historical global accord.

The vision of the draft is to protect from consequences of pandemic based on "equity, human rights and solidarity". It talked about achieving universal health coverage, enhancing local production of medical resources, promoting genetic sequence monitoring and data sharing as well as recognising socio-economic impacts of such crises.

Q.4) Which of the following statements is/are correct?

- 1) Insects weigh as much as all the other species put together.
- 2) Insects are only useful for the environment in the presence of birds and other mammals.
- 3) Beetles are the largest group of all insects.

Select the correct answer using the codes given below

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

Ans) b

Statement 1 is correct. Insects also outnumber all other species on Earth — of the million and a half-known organisms on the planet, over a million are insects. They weigh as much as all the other species put together — they are the majority of Earth's biomass.

Statement 2 is incorrect. Insects are the principal denizens of Earth because of their key functions and they are the essential intermediaries between plants and all the vertebrates that depend on these. You could take away all the birds and mammals but Earth would still have productive crops as long as there are insects — they are the primary engineers of our planet.

Statement 3 is correct. Beetles are the largest group of all insects — about one of every four animals is a beetle as are around 30% of all insects

Q.5) Which of the following statements is correct regarding Great Oxidation Event?

- 1) The event was triggered by blue-green algae.
- 2) The oxidation was triggered first in the ocean.

Select the correct answer using the codes given below

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

Ans) b

Statement 1 is incorrect. Cyanobacteria possessed the machinery to utilize water as a fuel source by oxidizing it. More significantly, the by-product of photosynthesis happened to be oxygen.

Statement 2 is correct. The levels of oxygen released into the seawater by cyanobacteria gradually increased over time, and over a span of 200-300 million years, oxygen was produced at a faster rate than it could react with other elements or get sequestered by minerals. The oxygen released by cyanobacteria steadily accumulated over vast swathes of the ocean and oxygenated the water. Gradually, the accumulated oxygen started escaping into the atmosphere.

Q.6) Maurice Gwyer Committee was recently seen in news, the committee is related to which of the following?

- Establishment of 4 year Under Graduate courses in India
- Establishment of National Museum in India
- Suggest the government to provide Universal Health Coverage
- Formulation of Artificial Neural Networks based solutions for societal challenges

Answer: B

National Museum was established in 1949. It holds a variety of articles ranging from the pre-historic era to modern works of art.

Origin: The blueprint for establishing the National Museum was prepared by the Maurice Gwyer Committee in May 1946.

Ministry of Culture is the Nodal Ministry of National Museum. It is located in New Delhi.

Source: [PIB](#)

Q.7) With reference to remission or premature release of convicts, consider the following statements;

- According to the Code of Criminal Procedure (CrPC), life sentenced convicts have to undergo a minimum of 14 years of actual imprisonment before remission/premature release.
- States can exercise the power of remission arbitrarily without Judicial Review.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: The Code of Criminal Procedure (CrPC) mentions that life convicts have to undergo a minimum of 14 years of actual imprisonment before they can be considered for remission/premature release.

Statement 2 is incorrect: The Supreme Court has held that states cannot exercise the power of remission arbitrarily, and must follow due process.

In 'Laxman Naskar v. Union of India'(2000) the SC laid down five grounds on which remission is considered: (a) Whether the offence is an individual act of crime that does not affect society; (b) Whether there is a chance of the crime being repeated in future; (c) Whether the convict has lost the potentiality to commit the crime; (d) Whether any purpose is being served in keeping the convict in prison; and (e) Socio-economic conditions of the convict's family.

Source: [The Hindu](#)

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

- It is a newly developed portal for controlling black money.
- It was developed by Narcotics Control Bureau(NCB).

Which of the statements given above is/are correct?

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

Answer: B

10 PM Compilation for the Month of August, (Third Week) 2022

Statement 1 is incorrect: NIDAAN stands for National Integrated Database on Arrested Narco-offenders. It is a first-of-its-kind portal for all narcotics offender-related data.

Statement 2 is correct: It was developed by Narcotics Control Bureau(NCB).

Source: [Business Standard](#)

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

1. It is the latest freight train of Indian Railways.
2. It is the longest and heaviest freight train that the Railways have ever operated..

Which of the statements given above is/are correct?

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

Answer: C

The Super Vasuki freight train is 3.5 km long. This is the longest and heaviest freight train that the Railways have ever operated.

Named After: The train gets its name from Vasuki, the Hindu god of serpents. Shiva's snake, Vasuki, is portrayed as being around his neck.

The train was formed by amalgamating five rakes of goods trains as one unit. The train takes about four minutes to cross a station.

Source: [Economic Times](#)

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

1. They are found only in Antarctica and Arctic region.
2. The Snailfish releases biofluorescence, which allows it to glow green and red in the dark arctic waters.
3. They have 'antifreeze' proteins in their bloodstream.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: They are found all over the world, including in Antarctica.

Statement 2 is correct: The Snailfish releases biofluorescence, which allows it to glow green and red in the dark arctic waters.

Statement 3 is correct: Snailfish found on an iceberg habitat in Greenland can survive in icy Arctic waters due to the presence of 'antifreeze' proteins in their bloodstream.

This extraordinary feature, which is rare among sea organisms, allows snailfish to prevent ice crystals from accumulating in their cells and body fluid.

Source: [DTE](#)