

10 PM Current Affairs Quiz Compilation

25th to 31st MAY, 2020

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

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Q.1) Which of the following is/are correctly matched?

- | | |
|---|--------------|
| 1. Krishak Bandhu scheme | Jharkhand |
| 2. Rythu Bandhu scheme | Telangana |
| 3. KALIA scheme | Rajasthan |
| 4. Rajiv Gandhi Kisan Nyay Yojana (RGKNY) | Chhattisgarh |

Select the correct answer using the code given below:

- a) 1, 2 and 3 only
- b) 2 and 4 only
- c) 1, 3 and 4 only
- d) All of the above

Correct answer: B

Explanation: All of the above provide monetary support to farmers.

Krishak Bandhu scheme is a financial assistance initiative to address distress sale by farmers of West Bengal.

Rythu Bandhu is a Farmers' Investment Support Scheme of Telangana state.

KALIA scheme (Krushak Assistance for Livelihood and Income Augmentation) is farmer income support scheme of Odisha state.

Rajiv Gandhi Kisan Nyay Yojana (RGKNY) has been launched recently by Chhattisgarh government to provide income support to farmers.

Q.2) Which of the following is/are factors considered by **Commission for Agricultural Costs & Prices (CACP)** for recommending **Minimum Support Price (MSP)**?

- 1. Cost of production
- 2. Demand and supply
- 3. Domestic and international prices

Select the correct answer using the code given below:

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

Correct answer: D

Explanation: **Commission for Agricultural Costs & Prices (CACP)** considers various factors before recommending **Minimum Support prices**:

Cost of production, overall **demand-supply situations** of various crops in domestic and world markets, **domestic and international prices**, inter-crop price parity, terms of trade between agriculture and nonagricultural sector, likely effect of price policy on rest of economy, rational utilization of land, water and other production resources and a minimum of 50 percent as the margin over cost of production.

The **views of the farmer and farmer's association** are also considered by CACP before recommending MSP.

Q.3) Consider the following statements:

- 1. In the adversarial legal system, the Judge adjudicates on basis of competing submissions of parties in the case.
- 2. The inquisitorial legal system follows an extensive pre-trial investigation.

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. In **adversarial legal system** the prosecution and defence compete against each other, and the **judge serves as a referee** to ensure fairness to the accused, and that the legal rules criminal procedure followed. The judge presides over the trial and rules on disputed issues of procedure and evidence, asking questions of the witness only to clarify evidence, and concludes the trial by summing-up the facts.

Statement 2 is correct. **Inquisitorial system** is characterized by **extensive pre-trial investigation** and interrogations with the objective to avoid bringing an innocent person to trial. The inquisitorial process grants more power to the judge who oversees the process, whereas the judge in the adversarial system serves more as an arbiter between claims of the prosecution and defence.

Q.4) Consider the following statements regarding the **Public Interest Litigation (PIL)** in India:

1. It finds direct mention in the Constitution of India.
2. PILs can only be filed in the Supreme Court.

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. **PIL does not find direct mention in the constitution.**

Statement 2 is incorrect. **PIL can be filed in Supreme Court as well as High courts.**

The first reported case of PIL in 1979, i.e. **Hussainara Khatoon v. State of Bihar** focused on the inhuman conditions of prisons and under trial prisoners. In 1981 Justice **P. N. Bhagwati in S. P. Gupta v. Union of India** case adjudged that in public interest, any member of public file an application for an appropriate direction, order or writ in the High Court under Article 226 and in case any breach of fundamental rights of such persons, in this court (Supreme Court) under Article 32 seeking judicial redress for the legal wrong caused to such person.

Q.5) Which of the following is/are correctly matched?

1. San Francisco Conference UN Charter
2. Bretton Woods Conference International Monetary Fund
3. Bandung Conference ASEAN charter

Select the correct answer using the code given below:

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

Correct answer: A

Explanation: Option 1 is correct. The **United Nations Conference on International Organization (UNCIO), also known as the San Francisco Conference**, was held in 1945 in San Francisco, California, United States of America. It resulted in the development of **UN charter**; the United Nations did not come into existence at the signing of the Charter. In

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many countries the Charter had to be approved by their congresses or parliaments. On October 24, 1945, all conditions were fulfilled, and the United Nations came into existence. Option 2 is correct. The **Bretton Woods Institutions are the World Bank (IBRD) and the International Monetary Fund (IMF)**. They were set up at a meeting of 44 countries in Bretton Woods, New Hampshire, USA in July 1944.

Option 3 is incorrect. "**Ten Principles of Bandung**", were proclaimed at Bandung Conference, 1955. Such principles were adopted later as the main goals and objectives of the policy of **non-alignment**. The fulfillment of those principles became the essential criterion for Non-Aligned Movement membership.

Q.6) Consider the following statements regarding **Breathalyzer test**:

1. It checks for the bacterial infection in the respiratory tract.
2. It does not require a blood sample of the person being tested.

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. **Breathalyzer test** is used for estimating **blood alcohol content (BAC)** from a breath sample. It is often used by law enforcement agencies. Statement 2 is correct. It only **requires a breath sample**; no blood sample is taken from the person being tested.

Q.7) Consider the following statements regarding the **Galwan River**:

1. It is a tributary of the Jhelum River.
2. It flows through Aksai Chin.

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 **Galwan River** originates in the area of **Samzungling** on the eastern side of the Karakoram Range and flows west to join the **Shyok River**, which is a tributary of **Indus River**.

Statement 2 is correct. The Galwan River flows through **Aksai Chin**, a territory in Ladakh, which is under Chinese occupation.

Q.8) Consider the following statements regarding the **International Civil Aviation Organization (ICAO)**:

1. It was established for the administration of the Chicago convention.
2. India is not a member of ICAO.

Which of the statements given above is/are correct?

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

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Correct answer: A

Explanation: Statement 1 is correct. The **International Civil Aviation Organization (ICAO)** is a **UN specialized agency**, established in 1944 to manage the administration and governance of the **Convention on International Civil Aviation (Chicago Convention)**. Statement 2 is incorrect. **India is a member of ICAO** and also currently a member of the Governing council.

Q.9) Consider the following statements regarding the **Foreigner Tribunals**:

1. These are established by the mandate of Citizenship Act, 1955.
2. Only Central government can refer a matter to a Foreigner Tribunal.

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. **Foreigners Tribunals** are established as per the **Foreigners' Tribunal Order, 1964** and the **Foreigners' Act, 1946**.

Statement 2 is incorrect. As per the Foreigners (Tribunals) Order, 1964 (amended in 2019) the **Central Government or the State Government or the Union territory administration or the District Collector or the District Magistrate** may, by order, refer the question as to whether a person is not a foreigner within the meaning of the Foreigners Act, 1946, to a Tribunal to be constituted for the purpose, for its opinion.

Q.10) Consider the following statements regarding the **Commission on the Limits of the Continental Shelf (CLCS)**:

1. It is a commission set up by ASEAN to resolve the South China Sea Continental Shelf disputes.
2. The purpose of the Commission is to facilitate the implementation of the United Nations Convention on the Law of the Sea.

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 **UN commission** looking into establishment of the outer **limits of the continental shelf beyond 200 nautical miles (M)** from the baselines from which the breadth of the territorial sea is measured.

Statement 2 is correct. The **commission is established as per the UNCLOS mandate** and its functions are also provided by the annex to the convention, which are:

- To consider the data and other material submitted by coastal States concerning the outer limits of the continental shelf in areas where those limits extend beyond 200 nautical miles.
- To provide scientific and technical advice, if requested by the coastal State concerned during preparation of such data.

Q.11) Consider the following statements regarding Long term repo operations:

1. RBI aims to raise the liquidity in market through LTRO.

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2. RBI will buy private financial instruments as collateral at Repo rate.

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. RBI facility of **Long Term Repo Operations (LTRO)** aims to inject liquidity in the banking system. Under this, the central bank injects money into the banking system through auctions with long term maturity periods (compared to one day repos) of 1 year and 3 year.

Statement 2 is incorrect. As under Repo operations, RBI will be accepting government securities with matching or higher tenure as the collateral.

Q.12) Consider the following statements regarding the **Jammu and Kashmir Reorganization Act, 2019**:

1. Legislative assembly of Jammu and Kashmir as well as Parliament can legislate on all matters specified in the State List.
2. The Legislative Council of the Jammu and Kashmir has been abolished through the act.

Which of the statements given above is/are correct?

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

Correct answer: B

Explanation: Statement 1 is incorrect. The Legislative Assembly of the Union Territory of Jammu and Kashmir can make laws related to any matters specified in the State List of the Constitution, **except “Police” and “Public Order”**.

Parliament has the power to make laws in relation to any matter for the Union Territory of Jammu and Kashmir.

Statement 2 is correct. The **Legislative Council** of the state of Jammu and Kashmir has been abolished by the act.

Q.13) What is “**Troglomyces Twitteri**” that has been in news recently?

- a) a type of parasitic fungus
- b) a Twitter algorithm to track COVID-19
- c) new ridge discovered on Mars surface by Curiosity rover
- d) a herbal cure proposed for COVID-19

Correct answer: A

Explanation: Troglomyces twitteri is a new species that has just been discovered. It's a type of parasitic fungus. It belongs to an order called Laboulbeniales, the tiny fungal parasites that attack insects and millipedes, it lives on the outside of host organisms.

Q.14) Which of the following is correctly matched?

- | | |
|---------------------------------------|--------------------------|
| 1. CLOUD Act | United States of America |
| 2. GAFA tax | India |
| 3. General Data Protection Regulation | European Union |

Select the correct answer using the code given below:

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

Correct answer: A

Explanation: Option 1 is correct. The **US Clarifying Lawful Overseas Use of Data Act (CLOUD Act)** gives U.S. law enforcement authorities the power to request data stored by most major cloud providers, even if it is outside the United States.

Option 2 is incorrect. **GAFA tax** – an acronym for Google, Apple, Facebook and Amazon – is a **French legislation** that imposes tax on the total annual revenues of the large technology firms providing services to French consumers.

Option 3 is correct. **General Data Protection Regulation** is a regulation in EU law on data protection and privacy in the **European Union and the European Economic Area**.

Q.15) Which of the following disease(s) can be diagnosed with the **TrueNat testing platform**?

- 1. Tuberculosis
- 2. COVID-19
- 3. Ebola

Select the correct answer using the code given below:

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

Correct answer: A

Explanation: TrueNat test platform has been used to diagnose **Tuberculosis** in past and recently have been validated for COVID-19 testing as well.

The TrueNat test is a molecular test for Tuberculosis. The test is WHO pre-qualified and is included as a reliable and accurate method for quick screening of TB patients.

As per **ICMR guidelines** “the TrueNat system is now a comprehensive assay for screening and confirmation of COVID-19 cases.”

TrueNat test is offered by Goa-based Molbio, in collaboration with the Central TB Division (CTD) of Ministry of Health and Family Welfare.

Q.16) Consider the following statements regarding **Purandara Dasa**:

- 1. He was a Vaishnava saint and poet.
- 2. He was a chief proponent of the Carnatic music.

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.

Purandara Dasa was a devotee of the **Lord Krishna**, a Vaishnava poet, a saint and a social reformer. He was a disciple of the Dvaita philosopher-saint Vyasatirtha.

He was a composer, singer and one of the chief founding-proponents of Carnatic Music. He is considered as **Pitamaha of Carnatic music** for his contribution to it.

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Q.17) Which of the following is/are mode of transmission for the **SARS-COV-2**?

1. Droplet transmission by sneezing or coughing
 2. Mosquito bites
 3. Droplets surviving on surfaces and clothes
- Select the correct answer using the code given below:

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

Correct answer: C

Explanation: COVID-19 spreads mainly by droplets produced as a result of coughing or sneezing of a COVID-19 infected person. This can happen in two ways:

Direct close contact: one can get the infection by being in close contact with COVID-19 patients, especially if they do not cover their face when coughing or sneezing.

Indirect contact: the droplets survive on surfaces and clothes for many days, therefore touching any such infected surface or cloth and then touching one's mouth, nose or eyes can transmit the disease.

There has been no information or any evidence to suggest that the new coronavirus could be transmitted by mosquitoes, yet.

Q.18) Consider the following statements:

1. Phishing is a cyber-fraud that uses disguised email or text message as means.
2. Cerberus is a banking Trojan being used to steal financial data.

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.

Phishing is an attempt to trick someone into giving information over the internet or by email or by text messages that would allow someone else to acquire sensitive information.

Central Bureau of Investigation (CBI) has sent alerts to all the States, Union Territories and the central agencies on malicious software named **Cerberus** threat that is taking advantage of the Covid-19 pandemic. It is a banking Trojan which is primarily used to steal financial data such as credit card numbers.

Q.19) Consider the following statements regarding **Down's syndrome**:

1. It is an autosomal disorder.
2. All Down's syndrome cases are inherited from genetic disorder of parents.

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. **Autosomal** means pertaining to a chromosome that is not a sex chromosome. Down's syndrome, also known as **trisomy 21**, is a genetic disorder

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caused by the presence of all or part of a **third copy of chromosome 21**. It is associated with intellectual disability, a characteristic facial appearance, and weak muscle tone (hypotonia) in infancy.

Statement 2 is incorrect. **Most cases of Down syndrome are not inherited.** This chromosomal trisomy occurs as a random event during the formation of reproductive cells in a parent. The parents of the affected individual are usually genetically normal.

Q.20) Consider the following statements:

1. Constitution of India provides defamation as basis for reasonable restriction on freedom of speech and expression.
2. Defamation is not a criminal offence 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. **Article 19(2)** provides for **reasonable restrictions** on the exercise of the right freedom of speech and expression in the interests of the sovereignty and integrity of India, the security of the State, friendly relations with foreign States, public order, decency or morality or in relation to contempt of court, **defamation** or incitement to an offence.

Statement 2 is incorrect. **Section 499 and 500 of the Indian Penal Code** provides for criminal case of defamation against the accused. Section 500 of IPC states “whoever defames another shall be punished with simple imprisonment for a term which may extend to two years, or with fine, or with both.”

Q.21) Consider the following statements regarding the **Bombay Plan**:

1. It was prepared by M. Visvesvaraya.
2. It was adopted at Karachi Session Indian National of Congress.

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.

Bombay Plan was a **15-year economic plan** for post-World War India proposed by a group of **industrialists and technocrats** in January 1944.

It was signed by J. R. D. Tata, Ghanshyam Das Birla, Ardeshir Dalal, Lala Shri Ram, Kasturbhai Lalbhai, Ardeshir Darabshaw Shroff, Sir Purshottamdas Thakurdas and John Mathai.

The FICCI (Federation of Indian Chambers of Commerce & Industry) endorsed the plan at its annual meeting. Later, the document was edited by Purushottamdas Thakurdas into two tiny pamphlet-sized volumes and published as **A Brief Memorandum Outlining a Plan of Economic Development for India** in 1945.

Q.22) Consider the following statements **Aarogya Setu** application:

1. It is an Aadhar based contact tracing application.

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2. It is an open source application.
3. Government has launched a bug bounty program to encourage testing of the application.
Which of the statements given above is/are correct?

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

Correct answer: C

Explanation: Statement 1 is incorrect. Aarogya Setu is a contact tracing application using the **Bluetooth technology** being used to notify risk of someone contracting COVID-19 based on their movements.

Statement 2 is correct. Government has released the source code of the android application on Github while iOS version is to be launched in coming days.

Statement 3 is correct. A **Bug Bounty Program** has been launched to partner with security researchers and developers community to test the security effectiveness of the application.

Note: The question of Aarogya Setu being an Open Source Software (OSS) has been previously asked in 10PM quiz when it was not an OSS. This is to notify that now the app is OSS and aspirants are requested to make note of it.

Q.23) Consider the following statements regarding **Hydroxychloroquine**:

- 1. It is an immune response modulator.
 - 2. ICMR has recommended its use as prophylactic drug against COVID-19.
- 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 HCQ is used in treatment of rheumatoid arthritis and lupus for its property of scaling down the response of the immune system.

At the molecular level, hydroxychloroquine interferes with lysosomal activity and autophagy, disrupt membrane stability and alter signaling pathways.

HCQ also has **anti-inflammatory** properties, which helps treat a patient suffering from **Cytokine storm**, i.e. when the immune system of the body goes into an overdrive against foreign substance leading to fatal localized inflammation.

ICMR has recommended HCQ as **preventive/prophylactic drug** for asymptomatic healthcare workers, frontline staff on surveillance duty in containment zones and paramilitary/police personnel involved in coronavirus infection related activities.

Q.24) Which of the following constitutes the Fourth Industrial revolution?

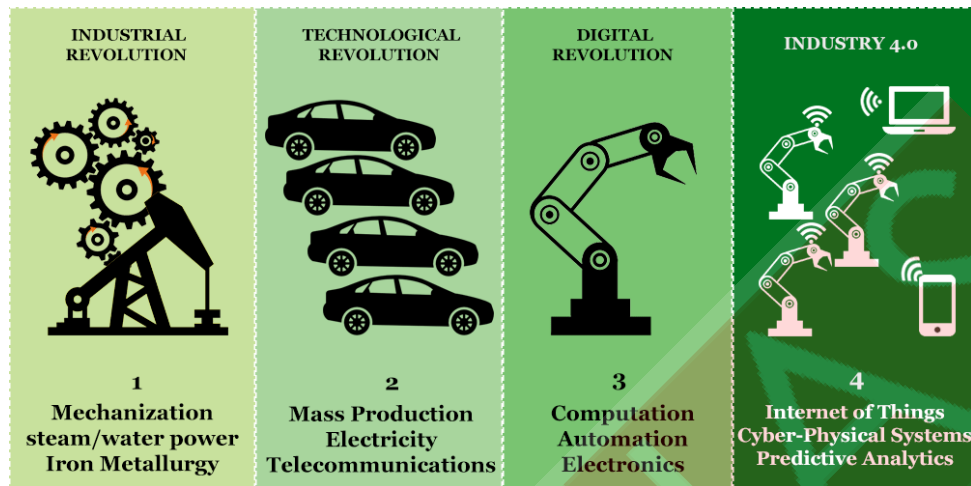
- a) Digital systems and electronic communication development
- b) Mechanized production units
- c) Cyber physical systems
- d) Power generation from oil and gas

Correct answer: C

Explanation: The **Fourth Industrial Revolution** can be described as the advent of “cyber-physical systems” embedded within societies and even human bodies.

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Examples: genome editing, new forms of machine intelligence, breakthrough materials and approaches to governance that rely on cryptographic methods such as the blockchain. These capabilities are reliant on the technologies and infrastructure of the Third Industrial Revolution.



Q.25) Consider the following statements:

1. The Factory Act, 1881 regulated the employment of children in factories.
2. The Factory Act, 1891 fixed the maximum working hours for woman and children.
3. These Factory Acts did not apply to British owned tea plantations.

Which of the statements given above is/are correct?

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

Correct answer: D

Explanation: Statement 1 is correct. **The Factory Act, 1881** dealt primarily with Child Labour, it prohibited employment below age of 7, working hours restricted to 9 per day and 4 holidays per month.

Statement 2 is correct. **The Factory Act, 1891** reduced maximum working hours for children to 7 hours per day. It fixed maximum working hours for woman at 11 hours with one and half hour interval.

Statement 3 is correct. These laws were **not applicable** to British owned tea and coffee plantations.

Q.26) Consider the following statements regarding **Special Leave Petition**:

1. Constitution provides for discretionary power of the Supreme Court to grant special leave to appeal against any judgment.
2. This power of Supreme Court is applicable over a judgment made by any court or tribunal relating to the Armed Forces.

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. **Article 136(1)** of the constitution states that the Supreme Court may, in its discretion, grant special leave to appeal from any judgment, decree, determination, sentence or order in any cause or matter passed or made by any court or tribunal in the territory of India.

Statement 2 is incorrect. **Article 136(2)** states that the power granted in article 136(1) shall not apply to any judgment, determination, sentence or order passed or made by any court or tribunal constituted by or under any law relating to the Armed Forces.

Q.27) Consider the following statements regarding **FAITH trials**:

1. It aims to test the efficacy of new vaccines against the COVID-19.
2. It has been launched by US Centers for Disease Control in collaboration with Indian Council for Medical Research.

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.

FAITH (FA vipiravir plus Um I fenovir (efficacy and safety) Trial in Indian Hospital setting) trials by **Glenmark Pharmaceuticals Ltd.** are new randomised, open-label study to test the combined efficacy of two antiviral drugs — **Favipiravir and Umifenovir** — against the COVID-19.

The current Glenmark trial will study the early administration of a combination of Favipiravir and Umifenovir and whether it enhances anti-viral efficacy on COVID-19 patients.

Q.28) Consider the following statements regarding **One Nation One Ration Card (ON-ORC)** scheme:

1. Its implementation will raise the coverage of National food security act to 100 percent of the population.
2. The Integrated Management of PDS portal (IMPDS) provides the technological platform for the inter-state portability of Ration cards.

Which of the statements given above is/are correct?

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

Correct answer: B

Explanation: Statement 1 is incorrect. **NFSA covers upto 75% of the rural population and 50% of the urban population** under Antyodaya Anna Yojana (AAY) and priority households. It will not change with the implementation of ON-ORC.

The ON-ORC aims to introduce **nation-wide portability of ration card** holders under National Food Security Act, 2013 (NFSA), to lift their entitlement food grains from any FPS in the country without the need to obtain a new ration card, by integrating the existing PDS systems/portals of States/UTs with the Central systems/portals, etc.

Statement 2 is correct. The **Integrated Management of PDS portal** (<http://www.impds.nic.in/>) provides the technological platform for the inter-state

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portability of ration cards enabling a beneficiary to buy food grains from any Fair Price Shop across the country.

Q.29) Which of the following is/are part of the **four noble truths of Buddhism**?

1. The truth of Suffering (Dukkha)
2. To be Non-Possessive (Aparigraha)
3. Path to the cessation of suffering (Magga)

Select the correct answer using the code given below:

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

Correct answer: C

Explanation: The Four Noble Truths contain the essence of the Buddha's teachings. These are:

The truth of suffering (**Dukkha**), which is basic characteristic of existence.

The truth of the origin of suffering (**Samudaya**) which is cravings and attachments.

The truth of the cessation of suffering (**Nirodha**) which comes with cessation of craving.

The truth of the path to the cessation of suffering (**Magga**) is eight-fold path.

Q.30) Consider the following statements

1. The Gross Value Added (GVA) of fisheries sector forms more than one third of Agricultural GVA of India.
2. Pradhan Mantri Matsya Sampada Yojana (PMMSY) aims to provide direct benefit transfer of Rs 6000 per annum to fish farmers.

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 Gross Value Added (GVA) of fisheries sector in the national economy during 2018-19 stood at Rs 2,12,915 crores (current basic prices) which constituted 1.24% of the total National GVA and **7.28% share of Agricultural GVA**.

Fisheries sector in India has shown impressive growth with an average annual growth rate of 10.88% during the year from 2014-15 to 2018-19.

Statement 2 is incorrect. The **PMMSY** intends to address critical gaps in fish production and productivity, quality, technology, post-harvest infrastructure and management, modernization and strengthening of value chain, traceability, establishing a robust fisheries management framework and fishers' welfare.

Data source and scheme details: (<https://pib.gov.in/PressReleasePage.aspx?PRID=1625535>)

Q.31) Consider the following statements regarding **Locust swarms** in India:

1. Monsoon provides favorable breeding condition for Locusts.
2. Locust survey and control operations are the responsibility of the Locust Warning Organization (LWO) under Ministry of Agriculture and farmer Welfare.

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: C

Explanation: Statement 1 is correct. **Rain triggers the growth of vegetation** in arid areas where desert locusts can then grow and breed. The initiation of summer breeding coincides with the arrival of the southwest monsoon, which is normally during the second half of June or in early July. Therefore, ecological conditions are often favorable for locust breeding depending on the duration and intensity of the monsoon.

Statement 2 is correct. **Locust Warning Organisation (LWO)**, Directorate of Plant Protection Quarantine and Storage, Ministry of Agriculture & Farmers Welfare is responsible for monitoring, survey and control of Desert Locust in India.

Q.32) Consider the following statements regarding **Vinayak Damodar Savarkar**:

1. He was a founder of Abhinav Bharat society.
2. He wrote the book titled Indian War of Independence 1857.

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. **Abhinav Bharat Society** was a secret society founded by Vinayak Damodar Savarkar and his brother Ganesh Damodar Savarkar in 1904. It was initially founded as Mitra Mela by V.D. Savarkar in 1899 at Nasik.

Statement 2 is correct. **The Indian War of Independence** written by Savarkar about the Indian rebellion of 1857 in 1909 was in response to celebrations in Britain of the 50th anniversary of the 1857 Indian uprising. It was banned by the British authorities.

Q.33) Consider the following statements regarding **Heat Wave** in India:

1. Heat Wave is considered if maximum temperature of a station reaches at least 40°C in plains and at least 30°C for Hilly regions.
2. The Western Disturbances increase the severity of heat wave in northern Indian 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: A

Explanation: Statement 1 is correct. As per **IMD classification** of Heat wave; a Heat Wave is considered if maximum temperature of a station reaches at least 40°C or more for Plains, 37°C or more for coastal stations and at least 30°C or more for Hilly regions.

For more visit [Factly](https://www.factly.in/).

Statement 2 is incorrect. **Western disturbances** are low pressure depressions originating in the Mediterranean region that move eastwards and bring sudden rainfall to the northwestern parts of the Indian subcontinent. They help in bringing down the temperature over northern Indian region.

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Q.34) Which of the following is/are potential benefit of **Contract farming**?

1. Exposure to global best practices and mechanized agriculture technology.
2. Protection for farmer from fluctuation in market pricing of agricultural produce.
3. Regular flow of raw material to the trader.

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) All of the above

Correct answer: D

Explanation: All are potential benefits of Contract farming.

Contract farming refers to an agreement between a buyer and farmers, which establishes conditions for the production and marketing/sale of farm products (including livestock and poultry). The producer can sell the agricultural produce at a specific price in the future to the buyer as per the agreement.

Potential benefits:

To The Farmer: Exposure to world class mechanized agro technology, obtains an assured up front price & market outlet for his produce, bulk supplies, crop monitoring on a regular basis, technical advice, supplies of healthy disease free nursery, agricultural implements etc.

To The trader: Uninterrupted & regular flow of raw material, protection from fluctuation in market pricing and dedicated supplier base.

Q.35) Which of the following is correct regarding **Biofouling**?

- a) Organisms accumulating underwater on hard surfaces
- b) Plants being used as second-generation biofuel
- c) Organisms helping in maintaining productivity of soil
- d) Plants reducing the productivity of soil

Correct answer: A

Explanation: **Biofouling** is the colonization of submerged surfaces by microorganisms such as bacteria and has destructive effects. **Biofoulers** are organisms that accumulate underwater on hard surfaces, to the detriment of property and economically important activities, such as shipping, power generation, and water treatment.

Q.36) Consider the following statements regarding **Sir Syed Ahmad Khan**:

1. He organized the All-India Muhammadan Educational Conference to promote education among Muslim community.
2. He was nominated to the membership of Viceroy's Legislative Council.
3. He chaired the Indian National Congress session of 1896, held in Calcutta.

Which of the statements given above is/are correct?

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

Correct answer: C

Explanation: Statement 1 is correct. In **1886 Sir Syed organized the All-India Muhammadan Educational Conference**, which met annually at different places to promote education among Muslim community and provide a platform for political unity.

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Statement 2 is correct. In 1878, Sir Syed was nominated to the **Viceroy's Legislative Council**.

Statement 3 is incorrect. **Rahimtullah M Sayani** was the second Muslim to serve as president of INC after Badruddin Tyabji and presided over 1896 Calcutta session of Congress. Sir Syed was a critic of the Indian National Congress.

Q.37) Which of the following can increase the **monsoon rainfall** in India?

1. El nino
2. Positive Indian Ocean Dipole
3. La nina

Select the correct answer using the code given below:

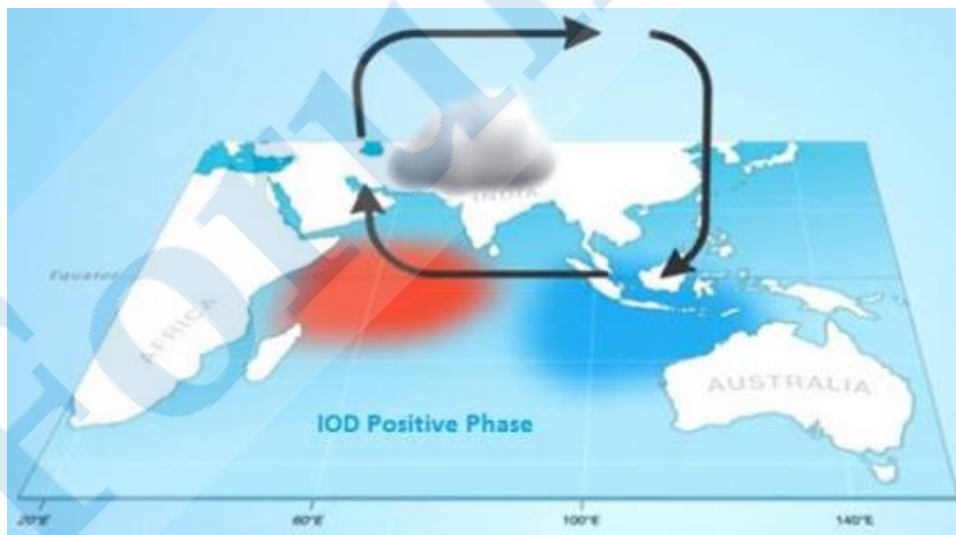
- a) 1 and 2 only
- b) 2 and 3 only
- c) 1 and 3 only
- d) All of the above

Correct answer: B

Explanation: Option 1 is incorrect. **El Nino** is a climate pattern that describes the unusual warming of surface waters in the eastern tropical Pacific Ocean. **Strong El Nino events contribute to weaker monsoon rainfall in India.**

Option 2 is correct. **La Nina** is the counter phenomenon of El nino, that describes cooler than normal ocean surface temperatures in the Eastern Pacific Ocean. It has **positive impact over monsoon over Indian subcontinent.**

Option 3 is correct. The **IOD** measures differences in SSTs between the Western Indian Ocean (Arabian Sea region) and the eastern Indian Ocean. A **positive IOD leads to greater monsoon rainfall in India.**



Q.38) Consider the following statements regarding **Mytilopsis sallei**:

1. It is an invasive mussel species.
 2. It is a terrestrial species feeding on crops.
- 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. **Mytilopsis sallei**, the black-striped mussel, is a small marine bivalve mollusc. It is a marine **invasive species**, has wide temperature, salinity and oxygen tolerances. It also possesses a fast rate of growth, high fecundity and matures early. Statement 2 is incorrect. It is a **marine species**. In its native habitat, *M. sallei* is a colonial surface dweller of sheltered waters often settling on man-made structures. It is a bio-deteriorating agent and prevalent **biofouler**.

Q.39) Consider the following statements regarding the ‘**Attracting and Retaining Youth in Agriculture**’ (ARYA) project:

1. It is an initiative of the Niti Aayog.
2. The project is implemented through the Krishi Vigyan Kendras (KVK).

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 ARYA Scheme is an initiative of the **Indian Council of Agricultural Research (ICAR)**. The objectives of ARYA project are

(i) To attract and empower the Youth in Rural Areas to take up various Agriculture, allied and service sector enterprises for sustainable income and gainful employment in selected districts.

(ii) to enable the Farm Youth to establish network groups to take up resource and capital-intensive activities like processing, value addition and marketing.

(iii) To demonstrate functional linkage with different institutions and stakeholders for convergence of opportunities available under various schemes/program for sustainable development of youth.

Statement 2 is correct. The ARYA project is implemented through KVKs with technical partners from ICAR Institutes and Agricultural Universities for taking up entrepreneurial activities through skill development of rural youth leading to employment generation.

Q.40) Which of the following is/are in Union Territory of Ladakh?

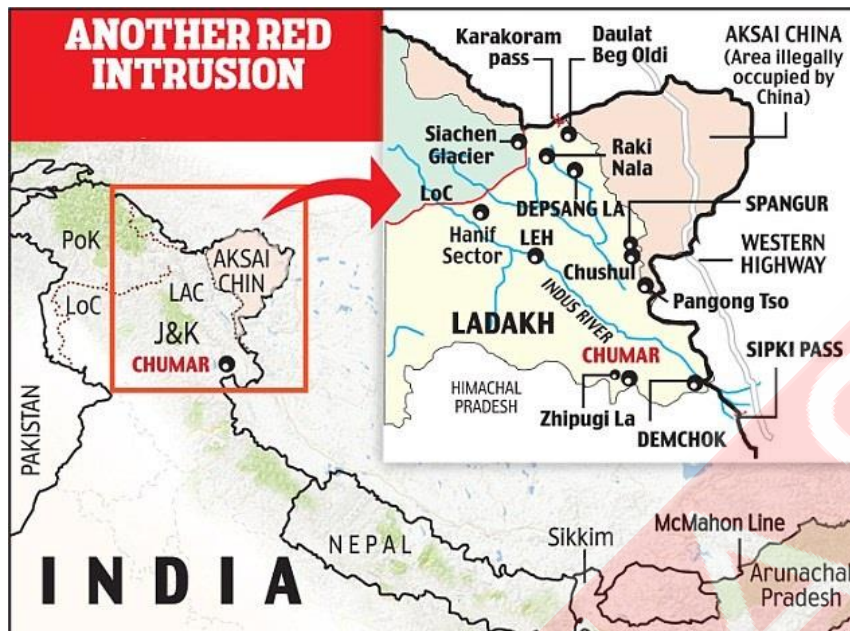
1. Demchok
2. Dipsang
3. Daulat Beg Oldi

Select the correct answer using the code given below:

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

Correct answer: D

Explanation: All the places mentioned above are in Union territory of Ladakh.



Q.41) Consider the following statements:

1. Six states of India share border with Nepal.
 2. Exercise Surya Kiran is a joint military training exercise between India and Nepal.
- 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. **Nepal** shares a border of over 1850 km with **five Indian states** – Sikkim, West Bengal, Bihar, Uttar Pradesh and Uttarakhand.



Statement 2 is correct. **Surya Kiran** is a joint military training exercise between India and Nepal. Its latest edition SURYA KIRAN-XIV was held in Nepal in December 2019.

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Q.42) Consider the following statements regarding **National Health Profile** of India:

1. It is a decennial publication covering Health, Demography and Socio-Economic Status related data of the country.
2. It is published by the National Health Authority 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: D

Explanation: Statement 1 is incorrect. National Health Data is essential for effective planning, decision-making, monitoring and evaluation of various Health Programs & Health Sector Development activities.

The **National Health Profile (NHP)** is being annually published since 2005, which covers all the major information on Demography, Socio-Economic Status, Disease Morbidity & Mortality, Healthcare Finance, Human Resources in Health and Healthcare Infrastructure.

Statement 2 is incorrect. The NHP is released by the **Central Bureau of Health Intelligence (CBHI)**, a National Nodal agency for Health Intelligence in the Directorate General of Health Services, Ministry of Health & Family Welfare.

Q.43) Which of the following country is part of the region known as the **Horn of Africa**?

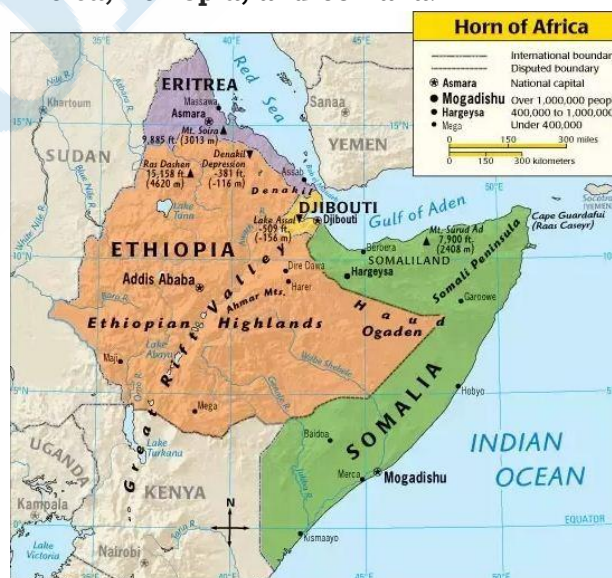
1. Egypt
2. Djibouti
3. Eritrea

Select the correct answer using the code given below:

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

Correct answer: B

Explanation: **Horn of Africa** is the term used for the eastern African peninsula. Horn of Africa does not have a strict definition but it generally denotes the region containing the countries of **Djibouti, Eritrea, Ethiopia, and Somalia**.



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Q.44) Consider the following statements regarding **Purchasing Manager's Index (PMI)**:

1. It only covers the manufacturing sector.
2. A reading above 50 denotes contraction in business activity.
3. It is released by National Statistical Office (NSO) under the Ministry of Statistics and Programme Implementation.

Which of the statements given above is/are correct?

- a) 1 and 2 only
- b) 2 and 3 only
- c) 3 only
- d) None of the above

Correct answer: D

Explanation: PMI or a **Purchasing Managers' Index (PMI)** is an indicator of business activity. It consists of several different surveys that are compiled into a single numerical result depending on one of several possible answers to each question.

Statement 1 is incorrect. The Purchasing Manager's Index is constructed for both **manufacturing as well as services sector**.

Statement 2 is incorrect. A reading above 50 suggests expansion in business activity and below 50 denotes contraction.

Statement 3 is incorrect. The PMI Data for India is published by Japanese firm Nikkei but compiled and constructed by **Markit Economics**.

Q.45) What is '**Cordyceps Militaris**' that has been in news recently?

- a) A species of fungus
- b) A French nuclear warhead missile
- c) United States Space Force's first mission
- d) An antiviral drug for COVID-19

Correct answer: A

Explanation: **Cordyceps militaris** is a fungus species that usually parasitizes insects.

Bodoland University has claimed that it has developed a fungal powder, using a pinch of *C. militaris*, powdered through lyophilisation or freeze-drying at -80°C , to help people boost their immunity to diseases.

Q.46) Consider the following statements:

1. Locust attack can be countered by use of insecticides.
2. The north-western boundary regions of India are more prone to Desert Locust attack.

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.

Pesticide spraying is used to counter the locust attack. Its overuse has detrimental effect on crops and soil as well.

Ten types of chemicals divided into three categories are recommended to be used for controlling locusts by the United Nations Food and Agriculture Organization (FAO):

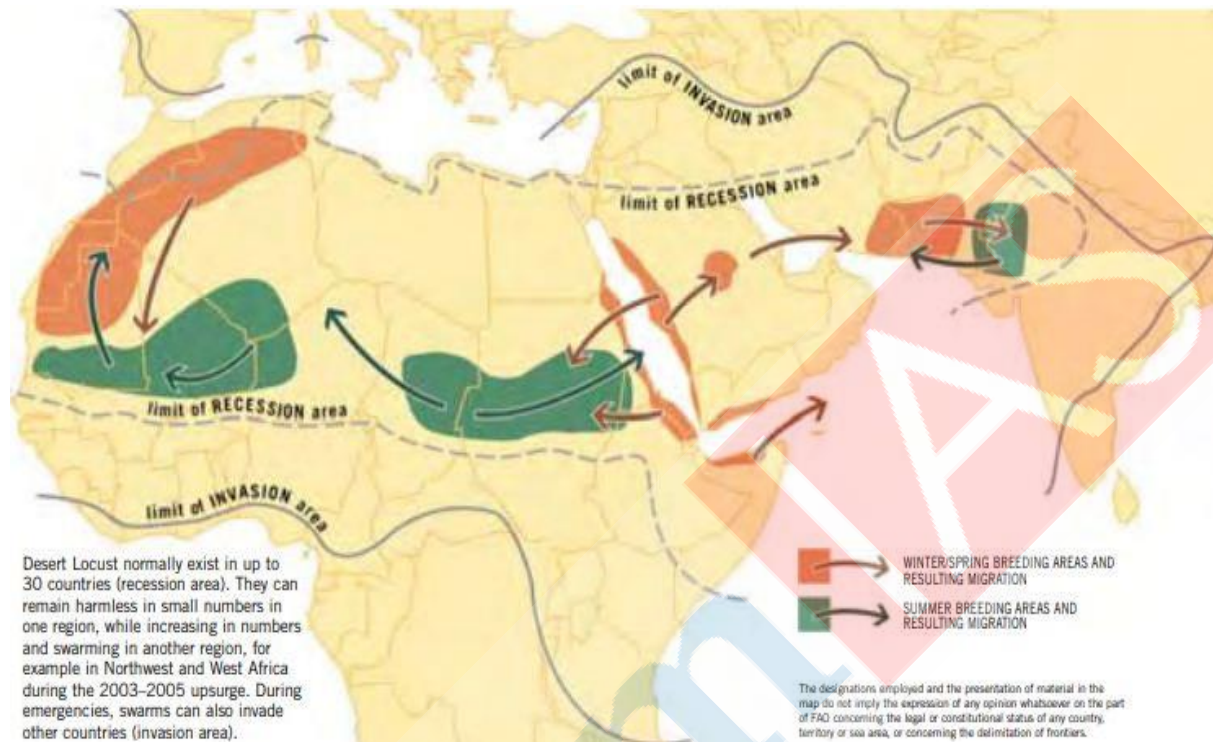
First is **mycoinsecticide** (for instance, *Metarhizium acridum*). This is of low risk to non-target organisms including birds and reptiles which ingest the treated locusts.

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Second are **insect growth regulators** (like diflubenzuron, teflubenzuron and triflumuron).

Third is **Organophosphates** (like Chlorpyrifos), it is most potent.

Desert Locust swarms usually enter India from western boundary through Pakistan; therefore Western Indian regions are more prone to Locust attacks.



Q.47) Consider the following statements regarding **African Union**:

1. All countries of the Africa Continent are members of the union.
2. Madagascar is a member country to the African Union.

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 AU is made up of 55 Member States which represent all the countries on the African continent.**

Statement 2 is correct. Only an African country can become a member of the Union. **Madagascar is a member country to the African Union;** it is part of the Africa Continent.

Q.48) Consider the following statements:

1. Constitution of India provides for use of English language in proceedings of the Supreme Court.
2. The Governor of a State may, with the previous consent of the President, authorize the use of the Hindi language in a High Court.

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 statements are correct.

Article 348 of the Constitution provides that unless the Parliament provides by law, the proceedings in **Supreme Court and High Courts shall be in English language**.

It also provides that **Governor of a State may**, with the previous consent of the President, authorize the use of the Hindi language, or any other language used for any official purposes of the State, in proceedings in the High Court having its principal seat in that State.

Q.49) Which of the following is correctly matched?

- | | |
|------------------|-------------------|
| 1. Durbuk | Ladakh |
| 2. Sumdorong Chu | Uttarakhand |
| 3. Doklam | Arunachal Pradesh |

Select the correct answer using the code given below:

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

Correct answer: A

Explanation: Option 1 is correct. **Durbuk** is a village between Chang La mountain pass and Tangste on the way to Pangong Tso Lake in **Ladakh UT**.

Option 2 is incorrect. **Sumdorong Chu** is in the Tawang district of **Arunachal Pradesh**. The 1987 China-India military conflict between the Chinese People's Liberation Army Ground Force and Indian Army that occurred at the Sumdorong Chu Valley.

Option 3 is incorrect. **Doklam** is an area with a plateau and a valley, lying between China's Chumbi Valley to the north, Bhutan's Ha Valley to the east and India's Sikkim state to the west. India supports **Bhutan's** claim over the area.

Q.50) Consider the following statements regarding **Operation Warp Speed**:

- 1. It is aimed at developing vaccines and therapeutics for COVID-19.
- 2. It is a global initiative of the World Health Organisation.

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. **Operation Warp Speed** is a public-private partnership to facilitate the development, manufacturing, and distribution of **COVID-19 vaccines, therapeutics and diagnostics**.

Statement 2 is incorrect. It is an initiative of **United States government** involving Centers for disease control (CDC), Food and Drug Administration (FDA), National institute of health (NIH), the Department of Defense; private firms; and other federal agencies.

Q.51) **India and Australia** both are members to which of the following groups or summits?

- 1. Quad
- 2. G-20

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3. Indian Ocean Rim Association
4. East Asia Summit

Select the correct answer using the code given below:

- a) 1, 2 and 3 only
- b) 1, 2 and 4 only
- c) 3 and 4 only
- d) All of the above

Correct answer: D

Explanation: Quadrilateral Security Dialogue or **Quad** is an informal strategic dialogue between the **United States, Japan, Australia and India**.

India and Australia both are members of the **G-20** as well as the Indian Ocean Rim Association (**IORA**).

The membership of **East Asia Summit** consists of ten ASEAN Member States, **Australia**, China, **India**, Japan, New Zealand, Republic of Korea, Russian Federation and the USA.

Q.52) Consider the following statements regarding the **India-China border**:

1. India has longest share of its land border with China.
2. Jammu & Kashmir is the westernmost and Arunachal Pradesh is the easternmost state of India sharing border with China.

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. India has 15,106.7 Km of land border and a coastline of 7,516.6 Km including island territories. **India shares its longest land border with Bangladesh** (4096.7 Km).



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Statement 2 is incorrect. Jammu and Kashmir is not a state and neither does it share border with China. **Ladakh UT in west and Arunachal Pradesh state in east** are corners of India's border with China.

Q.53) Consider the following statements regarding **National Career Service (NCS)** project:

1. It is a mission mode project under the Ministry of Human Resource & Development.
2. Its services can be availed through NCS portal, Common Service Centers and post offices.
3. It offers free online "Career Skills Training" to its registered job-seekers.

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) All of the above

Correct answer: B

Explanation: Statement 1 is incorrect. **National Career Service** is one of the mission mode projects under the umbrella of E-Governance Plan; it is implemented by the **Ministry of Labour and Employment**.

It brings together all stakeholders like job seekers, employers, counselors, trainers and private placement agencies to facilitate convergence.

Statement 2 is correct. Its services can be availed through **NCS portal, NCS Career Centers, Common service centers and post offices**.

Statement 3 is correct. National Career Service (NCS) portal has started offering free online **"Career Skills Training" in partnership with TCS ION** for its registered job-seekers. The course is on soft skills, it assists the learners in enhancing personality development with modules on corporate etiquette, improving interpersonal skills, making impactful presentation including other necessary soft skills demanded by the industry today.

Q.54) Consider the following statements:

1. GDP deflator is the ratio of nominal GDP to the real GDP.
2. The real GDP for a year can never be more than the nominal GDP.

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 **GDP deflator**, also known as the **implicit price deflator**, measures the changes in prices for all of the goods and services produced in an economy. It is the **ratio of the value of goods and services an economy produces in a particular year at current prices to that of prices that prevailed during the base year**.

$$\text{GDP price deflator \%} = (\text{nominal GDP} \div \text{real GDP}) \times 100$$

Statement 2 is incorrect. Real GDP takes into consideration adjustments for changes in inflation. This means that **if inflation is positive real GDP will be lower than nominal and vice versa**.

An economy going through deflation will affect the Real GDP as by adjusting for deflation, the Real GDP will be higher than the Nominal GDP because prices go down during deflation.

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Q.55) Consider the following statements regarding **Wari-Warkari** tradition:

1. Wari is the annual pilgrimage to the Dwarkadhish Temple, Gujarat.
2. Dnyaneshwar, Namdev and Tukaram are notable saints of the Warkari tradition.

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. Wari is an annual pilgrimage to the town of **Pandharpur, Maharashtra** which is the seat of Hindu **God Vithoba**, in honor of the deity. Statement 2 is correct. **Warkari means one who performs the Wari**. Notable Warkaris include **Dnyaneshwar, Namdev, Chokhamela, Eknath, and Tukaram**. Palakhis (palanquin) carrying the 'paduka' of the deity and various saints are taken from their respective shrines to Pandharpur.

Q.56) Which of the following is/are provided for by the **Article 21 of India's constitution**?

1. Right to life
 2. Right to personal liberty
 3. Legal exception to the right to life and personal liberty
- Select the correct answer using the code given below:

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

Correct answer: D

Explanation: All of the above are provided by the article 21 of Indian constitution.

Article 21 states "*No person shall be deprived of his life or personal liberty except according to a procedure established by law.*"

It provides **two explicit rights, i.e. life and personal liberty** while providing an explicit exception to the lawful procedure.

In **Maneka Gandhi v Union of India, 1978**; the Supreme Court stated that the procedure prescribed by law for depriving a person of life and personal liberty must be "right, just and fair" and not "arbitrary, fanciful and oppressive,".

Q.57) The **COVID-19 Technology Access Pool (C-TAP)** is an initiative of:

- a) Indian Council of Medical Research, India
- b) World Health Organisation
- c) Centers for Disease Control and Prevention, USA
- d) National Institute of Virology

Correct answer: B

Explanation: The **COVID-19 Technology Access Pool (C-TAP)** is an initiative launched by the **World Health Organisation (WHO)**. It was first proposed by Costa Rica.

It will compile, in one place, pledges of commitment made under the Solidarity Call to Action to voluntarily share COVID-19 health technology related knowledge, intellectual property and data. The Pool will draw on relevant data from existing mechanisms, such as the Medicines Patent Pool and the UN Technology Bank-hosted Technology Access Partnership.

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Q.58) Consider the following statements regarding **Financial Stability and Development Council (FSDC)**:

1. It is a statutory body under the Banking Regulation Act, 1949.
2. It is chaired by the Governor of Reserve Bank 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: D

Explanation: Both statements are incorrect.

Financial Stability and Development Council (FSDC) is a non-statutory apex level body setup in 2010 with an aim to strengthen and institutionalize the mechanism for maintaining financial stability, enhancing inter-regulatory coordination and promoting financial sector development

Raghuram Rajan Committee on Financial Sector Reforms (2008) had recommended creation of such super regulatory body.

It is **chaired by the Union Finance minister** and its members include: a) Heads of Financial Sector Regulators (RBI, SEBI, PFRDA & IRDA) b) Secretaries of various Departments c) Chief Economic Adviser d) Minister of state responsible for the Department of Economic Affairs (DEA) e) Chairperson of the Insolvency and Bankruptcy Board of India (IBBI) among others.

Q.59) Consider the following statements regarding the **PAi chatbot**:

1. It is an artificial intelligence based chatbot launched by National Payments Corporation of India (NPCI).
2. It aims to raise awareness on FASTag, AEPS, UPI on real time basis.

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.

National Payment Corporation of India (NPCI) has launched an artificial intelligence (AI) based chatbot named PAi.

PAi is available for helping users with access **to accurate information on NPCI products** like FASTag, UPI, AEPS etc. Customers can ask their queries in English and Hindi, via text or voice on the websites of NPCI, RuPay, and UPI Chalega.

Q.60) Consider the following statements regarding the **Industrial Disputes Act, 1947**:

1. It empowers the Central government to constitute National Industrial Tribunals.
2. Army, Navy and Air force personnel are not considered as 'workmen' under the 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

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Correct answer: C

Explanation: Statement 1 is correct. Section 7-B of the **Industrial Disputes Act, 1947** provides for **National Industrial Tribunals**, it states that the **Central Government may**, by notification, constitute one or more National Industrial Tribunals for the adjudication of industrial disputes which involve questions of national importance or are of such a nature that industrial establishments situated in more than one State are likely to be affected by such disputes.

Statement 2 is correct. The 'workmen' under the act does not include people subject to the **Air Force Act, Army Act, Navy Act**, or one who is employed in the police service or as an officer or other employee of a prison; or one who is employed mainly in a managerial or administrative capacity.

Q.61) Access to COVID-19 Tools (ACT) Accelerator is an initiative of:

- a) World Health Organization
- b) Indian Council for Medical Research
- c) Centers for Disease Control, USA
- d) National Institute of Virology, Pune

Correct answer: A

Explanation: It is a Global Collaboration led by WHO to speed up the development, production of COVID-19 diagnostics, therapeutics and vaccines and ensure equal access to treatments for rich and poor. The initiative aims to mobilize the significant resources needed to advance work towards protecting the world from COVID-19.

Q.62) Which of the following is analyzed by World Motorcycle Test Cycle (WMTC)?

- a) Fuel consumption and emissions
- b) Vehicle safety standards
- c) Speed range for vehicles
- d) Durability of the vehicle

Correct answer: A

Explanation: The **World Motorcycle Test Cycle (WMTC)** is a system of driving cycles used to measure fuel **consumption and emissions** in motorcycles.

The methods are stipulated as part of the Global Technical Regulation established under the United Nations' World Forum for Harmonization of Vehicle Regulations.

The Ministry of Road Transport and Highways has recently issued notification regarding the emission norms for L7 (Quadricycle) category for BS VI. This notification completes the process of BS VI for all L, M and N category vehicles in India. The emission norms are in line with EU with WMTC cycle.

Q.63) Which of the following is correct regarding **Baumol's cost disease**?

- a) Raise in wages of productive sectors leading to rise in salary in other sectors
- b) Raise in wages of non-productive sectors leading to rise in wages in other sectors
- c) Raise in cost of products leading to their lower demand
- d) Raise in cost of products leading to their higher demand

Correct answer: A

Explanation: **Baumol's cost disease** is the rise of salaries in jobs/sectors that have experienced no or low increase of labor productivity, in response to rising salaries in other jobs/sectors that have experienced higher labor productivity growth therefore 'cost disease'

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is a sector where costs rise, outpacing the value of services rendered by it and is less rewarding than the other engines of economic growth..

Q.64) Which of the following is measured by **Tax Buoyancy**?

- a) Inflation with respect to tax collection
- b) Tax collection with respect to tax rate
- c) Tax collection with respect to GDP growth
- d) Tax collection with respect to taxable population

Correct answer: C

Explanation: Tax buoyancy is an indicator to assess the **efficiency of the government's taxation** system. It measures the relationship between the government's revenue and GDP growth of the economy, i.e. the responsiveness of tax revenue growth to changes in GDP. When a tax is buoyant, its revenue increases without increasing the tax rate.

Q.65) Consider the following statements regarding the **Antarctic Impulsive Transient Antenna (ANITA)**:

- 1. It is an ISRO experiment at Bharati research station in Antarctica.
- 2. It studies ultra-high-energy (UHE) cosmic neutrinos.

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 a **NASA experiment** involving an array of radio antennas attached to a **helium balloon** which flies over the Antarctic ice sheet at 37,000 meters.

Statement 2 is correct. It is designed to study **ultra-high-energy (UHE) cosmic neutrinos** by detecting the radio pulses emitted by their interactions with the Antarctic ice sheet.

Q.66) Consider the following statements regarding **CoAST India (Collaboration/Covid Action Support Group)**:

- 1. It is a GIS-enabled dashboard that maps COVID-19 patients in real time.
- 2. It has been launched by the 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: D

Statement 1 is incorrect. The **CoAST India** is a GIS-enabled dashboard that maps the **movement of migrants** in real time. It draws information from various organizations on the ground and aims to make such data available so that it would enable governments and small local civil society groups to be of assistance.

Statement 2 is incorrect. It has been launched by **India Observatory** in collaboration with Anand based **Forest Ecological Security (FES)** as its main nodal point.

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Q.67) Consider the following statements regarding **Katkari tribe**:

1. They are original inhabitants of Nelong Valley in Uttarakhand.
2. Katkari is one of the Particularly Vulnerable Tribal Groups.

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. **Katkari tribal people** mostly live in Maharashtra. They are bilingual, speaking the Katkari language, a dialect of the Marathi-Konkani languages.

Statement 2 is correct. **Katkari is one of the 75 Particularly Vulnerable Tribal Groups**, as per the classification by **Ministry of Home Affairs**.

There are certain tribal communities who use a pre-agricultural level of technology, face stagnant or declining population growth, and are equipped with only an extremely low level of literacy and a subsistence level of economy. 75 such groups of tribals in 18 States and one Union Territory have been identified and categorized as Particularly Vulnerable Tribal Groups (PVTGs).

Q.68) The **Roman Space Telescope** is a space observatory project of:

- a) European Space Agency
- b) NASA
- c) Both (a) and (b)
- d) None of the above

Correct answer: B

Explanation: The **Nancy Grace Roman Space Telescope** or Roman Space Telescope will be a **NASA observatory** designed to settle essential questions in the areas of dark energy, exoplanets and infrared astrophysics.

NASA has named its next-generation space telescope currently under development, the Wide Field Infrared Survey Telescope (WFIRST), in honor of Nancy Grace Roman, NASA's first chief astronomer.

Q.69) Consider the following statements:

1. The wet-bulb temperature considers the moisture in air due to evaporation.
2. The dry-bulb temperature is always higher than the wet-bulb temperature.

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. **Wet-bulb temperature** is the temperature indicated by a moistened thermometer bulb exposed to the air flow.

The **Dry Bulb Temperature** refers basically to the ambient air temperature. It is called "Dry Bulb" because the air temperature is indicated by a thermometer not affected by the moisture of the air.

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Statement 2 is incorrect. The wet bulb temperature is lower than the dry bulb temperature but will be **identical with 100% relative humidity** (the air is at the saturation line).

Q.70) Consider the following statements regarding the **Dark Web**:

1. Its content is not indexed by the conventional internet search engines.

2. The content of the Dark Web is not stored online.

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. **Surface Web** is anything that a search engine can find and index while the Deep Web is anything that a search engine does not index. The **Dark Web** is a smaller portion of the **Deep Web** that has been intentionally hidden and is inaccessible through standard web browsers.

Statement 2 is incorrect. The content of Dark Web is stored online and can be accessed using specific software. Many dark web sites simply provide standard web services with more secrecy, but it has been misused as online marketplaces for drugs, exchanges for stolen data, and other illegal activities.