

## *10 PM Current Affairs Quiz Compilation*

*2<sup>nd</sup> May to 7<sup>th</sup> May, 2022*

**PRELIMS**

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

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

**Which of the statements given above is/are correct?**

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

**Answer: c**

- Cicadas are **hemipteran insects**. They are known for their loud, complex and species-specific acoustic signals or songs.
- **Habitat:** Most cicadas are canopy dwellers and are **found in natural forests with large trees**. They act as **indicators of a healthy forest ecosystem**. They occur more in areas around undisturbed bamboo groves.

**Q.2) What fiscal and monetary measures can be taken in response to the depreciation of a currency?**

1. The quantity of currency supplied would decrease
2. The Nation whose currency is depreciating would buy more foreign financial assets.

**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**

- If currency depreciates, its purchasing power in other countries would depreciate. That means other countries' goods are now more expensive relative to goods in that particular country, so residents of the country would buy more domestic goods and fewer foreign goods. Buying fewer foreign goods means fewer of other countries' currencies are needed, so a country won't need to supply as much of its own currency in the foreign exchange market for its domestic currency.
- If a currency depreciates, foreign financial assets would be relatively more expensive than financial assets in the domestic market. A higher price of a financial asset means a lower return, so the country (whose currency is depreciating) would buy fewer foreign financial assets

**Q.3) Which of the following provisions of the Indian Constitution have not been borrowed from The Government of India Act 1935?**

- a) Cabinet system
- b) Prerogative writs
- c) Seventh Schedule

**Select the correct answer from the codes given below:**

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

**Answer: d**

- Cabinet system has been borrowed from the Constitution of the UK.
- Prerogative writs has been borrowed from the Constitution of US.
- The Seventh Schedule was inherited from the Government of India Act, 1935

**Source:** [Article](#)

**Q.4) Which of the following is/are examples of Fiber crops?**

- 1. Flax
- 2. Hemp
- 3. Coir

**Select the correct answer from the codes given below:**

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

**Answer: d**

- Fibre crops or plant fibres are also called as the natural fibres as they are obtained naturally and directly from the different sources of plants and their products.
- Examples of Fiber crops: Jute, Cotton, Hemp, Coir, Flax etc

**Source:** [Article](#)

**Q.5) With reference to Hallmarking of precious metals in India, consider the following statements:**

- 1. In India, at present only two precious metals, namely gold and silver, have been brought under the purview of Hallmarking.
- 2. The hallmark is valid for the entire life-time of the hallmarked jewelry.

**Which of the statements given above is/are incorrect?**

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

**Answer: d**

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**Both statements are correct.**

- **Statement 1 is correct:** In India, at present two precious metals namely gold and silver have been brought under the purview of Hallmarking.
- **Statement 2 is correct:** The hallmark will be valid for the entire life-time of the hallmarked jewelry.

**Source:** [Article](#)

**Q.6) With reference to the Localizer Performance with Vertical Guidance (LPV), consider the following statements;**

1. It is a Satellite Based Procedure which has been used by aircraft for landing purposes.
2. LPV approaches make aircraft possible to land at airports not equipped with expensive Instrument Landing Systems.

**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**

**Both the statements are correct.**

It is a Satellite Based Procedure which has been used by aircraft for landing purposes.

LPV approaches make aircraft possible to land at airports not equipped with expensive Instrument Landing Systems. This includes many small regional and local airports.

LPV's will lower the decision height up to 250 ft, this provides a substantial operational benefit in poor weather and low visibility conditions.

Thus, any airport which hitherto would require higher visibility minima, will be able to accept aircraft benefiting remote airports which are devoid of precision approach capability equipment.

**Source:** [PIB](#)

**Q.7) With reference to the rules regarding the resignation and reinstatement of IAS officers, consider the following statements:**

1. The central government may permit an officer to withdraw his/her resignation "in the public interest".
2. An officer serving in a cadre (state) or central deputation is required to submit his/her resignation to the chief secretary of the state.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** According to Rule 5(1A)(i) of the amended All India Services (Death-Retirement Benefits) Rules, 1958, the central government may permit an officer to withdraw his/her resignation "in the public interest".

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**Statement 2 is incorrect:** An officer serving in a cadre (state) must submit his/her resignation to the chief secretary of the state.

An officer who is on central deputation is required to submit his/her resignation to the secretary of the concerned Ministry or Department.

**Source:** [Indian Express](#)

**Q.8) With reference to menthol cigarettes, consider the following statements:**

1. India has not banned the sale of menthol cigarettes.
2. Menthol increases the irritation and harshness of smoking.
3. Menthol makes it more difficult for people to quit smoking.

**Which of the statements given above is/are correct?**

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

**Answer: C**

**Statement 1 is correct:** India has not banned the sale of menthol cigarettes.

**Statement 2 is incorrect:** Menthol, with its minty taste and aroma, “reduces the irritation and harshness of smoking. This increases appeal and makes menthol cigarettes easier to use, particularly for youth and young adults.

**Statement 3 is correct:** Menthol also interacts with nicotine in the brain to enhance nicotine’s addictive effects, while making it more difficult for people to quit smoking.

**Source:** [Indian Express](#)

**Q.9) With reference to gluten, consider the following statements:**

1. It is a mixture of proteins found in wheat, barley, rye, and oats..
2. Gluten causes both gastrointestinal and systemic problems in the human body.
3. Gluten proteins have high nutritional and biological value.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** Gluten is a mixture of proteins found in wheat (and all of its species and hybrids, such as spelt, kamut, and triticale), as well as barley, rye, and oats.

**Statement 2 is correct:** Gluten may cause both gastrointestinal and systemic symptoms for those with gluten-related disorders, including coeliac disease (CD), non-coeliac gluten sensitivity (NCGS), gluten ataxia, dermatitis herpetiformis (DH), and wheat allergy.

**Statement 3 is incorrect:** Gluten proteins have low nutritional and biological value and the grains that contain gluten are not essential in the human diet.

**Source:** [All India Radio](#)

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**Q.10) Which of the following is/are the impacts of anabolic steroids?**

1. Cause acne and hairfall
2. Growth of breasts in men
3. Paranoia and impaired judgement

**Select the correct answer from the codes given below:**

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

**Answer: d**

Anabolic steroids are essentially lab-made versions of the male hormone testosterone and have a similar effect of increasing muscle mass as the natural hormone does.

Potential impacts are;

Use of anabolic steroids in the short-term can cause acne and hairfall. Extended misuse of the substance can also lead to gynaecomastia (growth of breasts in men) and erectile dysfunction.

In women, it can lead to growth of facial hair. It may also cause extreme anger, paranoia, and impaired judgement

**Source:** [Indian Express](#)

**PRELIMS**

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**Q.1) With reference to anabolic steroids, consider the following statements:**

1. These are essentially lab-made versions of the male hormone testosterone.
2. They are similar to corticosteroids.

**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:** Anabolic steroids are essentially lab-made versions of the male hormone testosterone and have a similar effect of increasing muscle mass as the natural hormone does. It also increases male characteristics in a person, such as facial hair and a deeper voice.
- **Statement 2 is incorrect:** These are very different from the corticosteroids that are prescribed by doctors for inflammations, several autoimmune diseases, or to suppress the body's immune system during a Covid-19 infection. Corticosteroids are lab-made molecules that mimic the action of the hormone called cortisol that controls the body's stress response, metabolism, and inflammation.

**Source:** [Article](#)

**Q.2) With reference to National Open Access Registry (NOAR), consider the following statements:**

1. It is an integrated single window electronic platform for electronic processing of short-term open access applications in inter-state transmission system.
2. Central Electricity Regulatory Commission (CERC) has been designated as the nodal agency for implementation and operation of NOAR.

**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:** National Open Access Registry (NOAR) has successfully gone live from 1st May 2022. NOAR has been designed as an integrated single window electronic platform accessible to all stakeholders including open access participants, traders, power exchanges, national/regional/state load despatch centres for electronic processing of short-term open access application thereby automating the administration of the short-term open access in inter-state transmission system.
- **Statement 2 is incorrect:** National Load Despatch Centre (NLDC) operated by Power System Operation Corporation Limited (POSOCO) has been designated as the nodal agency for implementation and operation of NOAR

**Source:** [Article](#)

**Q.3) Which of the following have been matched correctly?**

<b>Schedule</b>	<b>Features</b>
1. 2 <sup>nd</sup> Schedule	Supreme Court judges
2. 5 <sup>th</sup> Schedule	Legislative lists
3. 9 <sup>th</sup> Schedule	Zamindari system

**Select the correct code from the answers given below:**

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

**Answer: c**

**2<sup>nd</sup> schedule:** The provisions in relation to allowances, privileges, emoluments of:

- President of India
- Governors of Indian States
- Speaker of Lok Sabha & Deputy Speaker of Lok Sabha
- Chairman of Rajya Sabha & Deputy Chairman of Rajya Sabha
- Speaker and Deputy Speaker of Legislative Assemblies of Indian States
- Chairman and Deputy Chairman of Legislative Councils of the Indian States
- Supreme Court Judges
- High Court Judges
- Comptroller & Auditor General of India (CAG)

**5<sup>th</sup> Schedule:** It contains provisions in relation to the administration and control of scheduled areas and scheduled tribes.

**9<sup>th</sup> Schedule:** It deals with the state acts and regulations that deal with land reforms and abolition of the zamindari system. It also deals with the acts and regulations of Parliament dealing with other matters.

**Source:** [Article](#)

**Q.4) With reference to the Coalition for Disaster Resilient Infrastructure (CDRI), consider the following statements:**

- 1. It is an intergovernmental organization with the objective of promoting the resilience of infrastructure systems to climate and disaster risks.
- 2. The policies, standards and other outputs of CDRI would be binding on its members.

**Which of the statements given above is/are correct?**

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

**Answer: d**

- CDRI is a multi-stakeholder global partnership of national governments, UN agencies and programmes, multilateral development banks and financing mechanisms, the private sector, and academic and knowledge institutions. It is not an intergovernmental organization, which is ordinary treaty-based organization.



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- Envisioned as a partnership, the CDRI is not organized around the notion of rights and obligations. However, national governments that endorse the Charter and become a member of the CDRI have a key role in setting its substantive agenda as well as in its governance. It may be noted that the policies, standards and other outputs of CDRI would not be binding on its members.

### **Q.5) Consider the following statements regarding National Board for Wildlife (NBWL):**

1. It is chaired by the Prime Minister.
2. No alteration of boundaries in national parks and wildlife sanctuaries can be done without the approval of the NBWL.

#### **Which of the above statements is/are incorrect?**

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

#### **Answer: d**

Both statements are correct

- NBWL is a statutory body constituted under the Wildlife Protection Act, 1972.
- Chairman: Prime minister.
- Vice-Chairperson: Minister of Environment, Forests & Climate Change.
- Functions: Its role is advisory in nature and advises the Central Government on framing policies and measures for the conservation of wildlife in the country.
- The board has the power to review all wildlife-related matters and approve projects in and around national parks and sanctuaries.
- No alteration of boundaries in national parks and wildlife sanctuaries can be done without the approval of the NBWL.

### **Q.6) With reference to the Jute, consider the following statements;**

1. Jute is primarily grown in West Bengal, Odisha, Assam, Meghalaya, Tripura and Andhra Pradesh.
2. India accounts for three-fourths of the global jute exports.
3. The Jute Packaging Material Act, 1987 mandates 100% production of foodgrains and 20% sugar production must be packaged in jute bags.

#### **Which of the statements given above is/are correct?**

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

#### **Answer: C**

**Statement 1 is correct:** Jute Industry in India is 150 years old. In India, Jute is primarily grown in West Bengal, Odisha, Assam, Meghalaya, Tripura and Andhra Pradesh. (West Bengal, Bihar and Assam account for almost 99% of India's total jute production)

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**Statement 2 is incorrect:** India is the largest producer of jute followed by Bangladesh and China. However, in terms of acreage and trade, Bangladesh takes the lead accounting for three-fourths of the global jute exports in comparison to India's 7%.

**Statement 3 is correct:** The provisions of the Jute Packaging Material (Compulsory use in Packing Commodities) Act, 1987 or the JPM Act mandate that 100% production of foodgrains and 20% sugar production must be packaged in jute bags.

**Source:** [The Hindu](#)

**Q.7) With reference to Sloth bear, consider the following statements:**

1. These are found in Sri Lanka, India, Bhutan and Nepal.
2. Sloth bears hibernate during winters.

**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:** Sloth bears are found in Sri Lanka, India, Bhutan and Nepal, predominantly in lowland areas.

**Statement 2 is incorrect:** Sloth bears primarily eat termites and ants, and unlike other bear species, they routinely carry their cubs on their backs. They are also very fond of honey, hence their alternative name of "honey bear".

Sloth bears do not hibernate.

**Source:** [Indian Express](#)

**Q.8) With reference to Charak Samhita, consider the following statements:**

1. It is a medical pharmacopoeia and collection of commentaries and discussions on medical practices.
2. It is considered as the foundational text of ancient Indian medicine.

**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**

**Both the statements are correct.**

The Charak Samhita is a medical pharmacopoeia and collection of commentaries and discussions on medical practices that is historically dated to the 1st-2nd centuries AD.

Along with the compendium of Susruta (c. 4th century AD), which is about surgery, the Charak Samhita is considered the foundational text of ancient Indian medicine, which was an evolved system of understanding and treating disease that was in several ways ahead of the Greeks.

**Source:** [Indian Express](#)

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**Q.9) With reference to Flag Code of India, consider the following statements:**

1. Only khadi or hand-spun cloth was the material for the flag. Use of other material was punishable.
2. So far, the code that deals with the description of the flag has remained untouched.

**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:** As per rule 1. 2 of part 1 of the Flag code of India 2002, only khadi or hand-spun cloth was the material for the flag. Use of other material was punishable. But the recent amendment has changed it to “The National Flag shall be made of hand spun and hand woven or machine made, cotton, polyester, wool, silk khadi bunting.”

**Statement 2 is correct:** The original flag code of India 1947 was amended in 2002 after a Supreme Court judgment. This expanded the definition of places where the flag could be displayed or hoisted.

However, part one of the code that deals with the description of the flag had remained untouched.

**Source:** [The Hindu](#)

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

1. A severe heatwave is declared if the departure from normal temperature is more than 6.4 degrees.
2. A lower wet bulb temperature means the air is moist and can hold less water vapor compares to higher 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

**Answer: A**

**Statement 1 is correct:** A heatwave is declared when the maximum temperature is over 40°C and at least 4.5 notches above normal. A severe heatwave is declared if the departure from normal temperature is more than 6.4 degrees, according to the IMD. Based on absolute recorded temperatures, a heatwave is declared when an area logs a maximum temperature of 45°C. A severe heatwave is declared if the maximum temperature crosses 47 degrees.

**Statement 2 is incorrect:** A lower wet bulb temperature means the air is drier and can hold more water vapor than it can at a higher wet bulb temperature.

**Source:** [The Hindu](#)

**PRELIMS**

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**Q.1) With reference to North Atlantic Treaty Organization (NATO),** consider the following statements:

1. The aim of the organisation is to guarantee the freedom and security of its members through political and military means
2. The organisation is established based on Washington Treaty
3. It is headquartered in New York.

**Which of the above statements is/are correct?**

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

**Answer: b**

Recently, the NATO Summit was held recently in Brussels. During the summit, countries agreed to step up their collective defence against threats from all directions.

- North Atlantic Treaty Organization(NATO) also called North Atlantic Alliance is an intergovernmental military alliance.
- Formed in: NATO was formed in 1949 with the signing of the Washington Treaty.
- Members: It consists of 30 countries from North America and Europe.
  - The most recent member state is North Macedonia, included in NATO in 2020.
- Headquarters: Brussels, Belgium.
- The mandate of NATO: NATO's purpose is to guarantee the freedom and security of its members through political and military means

**Q.2) With reference to Kokborok, consider the following statements:**

1. The language relies upon the Devanagari script.
2. The language is included under the eight Schedule of the Constitution 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

**Answer: d**

- **Statement 1 is incorrect:** The language relies upon **the Bengali and Roman scripts** which were adopted based on studies of the **Shyama Charan Tripura Commission** and **Pabitra Sarkar Commission**.
- **Statement 2 is incorrect:** Kokborok has still not been included under the Eight Schedule of the Constitution.

**Source:** [Article](#)

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**Q.3) With reference to SOFIA, consider the following statements:**

1. It is the world's largest flying telescope.
2. It discovered water molecules (H<sub>2</sub>O) on the sun-facing side of the Moon.

**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**

**Both statements are correct.**

- **Statement 1 is correct:** It is the world's largest flying telescope.
- **Statement 2 is correct:** In 2020, NASA announced that SOFIA discovered water molecules (H<sub>2</sub>O) on the sun-facing side of the Moon. The site is the Clavius Crater, located in the Moon's southern hemisphere

**Source:** [Article](#)

**Q.4) Transnistria sometimes seen in news lies between which of the following two countries?**

- a) Ukraine and Belarus
- b) Poland and Romania
- c) Moldova and Ukraine
- d) Turkey and Bulgaria

**Answer: c**

- Transnistria lies between Moldova to its west and Ukraine towards its east. Often described as a "remnant of the Soviet Union", Transnistria declared independence like Moldova did soon after the break-up of the Soviet Union.
- When Moldovan troops attempted to take over the territory in 1990-1992, Transnistria was able to resist them because of Russian soldiers based in Transnistria. Since then, it has remained free of Moldovan control. However, most countries continue to see Transnistria as part of Moldova.

**Source:** [Article](#)

**Q.5) Consider the following statements regarding the Higher Education Financing Agency (HEFA):**

1. It is a statutory body under the Ministry of Education.
2. It provides finance at competitive interest rates to educational institutions and supplements it with grants by channelizing CSR funds.

**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**

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- **Statement 1 is incorrect.** Higher Education Financing Agency (HEFA) is a joint venture of Ministry of Education, Government of India and Canara Bank.
  - HEFA is registered under Section 8 [Not-for-profit] under the Companies Act 2013 as a Union Govt company and as Non-deposit taking NBFC with RBI.
- **Statement 2 is correct.** HEFA Vision: To enable India's premier educational institutions to excel and reach the top in global rankings by financing building world class infrastructure including R&D Infra.
  - HEFA Mission: To provide timely finance at competitive interest rates for capital assets creation in India's educational institutions and supplement it with grants by channelizing CSR funds from the corporate and donations from others.

**Q.6) With reference to the Air-independent propulsion (AIP) Systems, consider the following statements;**

1. This system allows conventional submarines to remain submerged for much longer than ordinary diesel-electric submarines.
2. All AIPs are based on fuel cells.

**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:** AIP technology allows a conventional submarine to remain submerged for much longer than ordinary diesel-electric submarines.

**Statement 2 is incorrect:** There are different types of AIP mechanisms available; For instance, India is looking for AIP based on fuel cells under the P-75I project. These cells convert chemical energy into electrical energy, recharging the batteries of the submarine.

**Source:** [Indian Express](#)

**Q.7) Press Freedom Index is released by which of the following organisation?**

- a) United Press International
- b) Reuters
- c) Reporters Without Borders(RSF)
- d) International Federation of Journalists

**Answer: C**

The World Press Freedom Index 2022 has been released. The index ranks countries based on five indicators: the political context, legal framework, economic context, sociocultural context and security

India's ranking in the Index has fallen down to 150th position in 2022 from 142nd rank in 2021.

**Source:** [TOI](#)

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**Q.8) Consider the following statements;**

1. His philosophy was based on the principles of Arivu (true knowledge), ethos (right conduct), and Anubhava (divine experience).
2. He gave two more very important socio-economic principles such as Kayaka and Dasoha.
3. He was a social reformer during the reign of the Kalyani Chalukya/Kalachuri dynasty.

**Which of the following personality is described in the statements above?**

- a) Sri Sampradaya
- b) Allama Prabhu
- c) Lord Basaveshwara
- d) Ramanujacharya

**Answer: C**

Source: [PIB](#)

**Q.9) Which of the following is/are the benefits of Stubble burning?**

1. Kills weeds resistant to herbicide
2. Can reduce nitrogen tie-up
3. Faster clearance of the field

**Select the correct answer from the codes given below:**

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

**Answer: d**

The advantages of of Stubble burning are,

- It quickly clears the field and is the cheapest alternative.
- Kills weeds, including those resistant to herbicide.
- Kills slugs and other pests.
- Can reduce nitrogen tie-up.

Source: [Indian Express](#)

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**Q.10) With reference to Wifi Jammers, consider the following statements:**

1. These are signal blocking devices which transmits radio waves at the same frequency as a device in order to blur its signal.
2. Sale and use of any wireless device without authorization is legal in India.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** Wifi Jammers are a signal blocking device which transmits synchronized radio waves at the same frequency as a device like a cell phone or drone in order to blur its signal.

**Statement 2 is incorrect:** Sale and use of any wireless device without authorization and license under the Indian Telegraph Act or Indian Wireless Telegraphy Act is illegal.

**Source:** [All India Radio](#)



**POLITY AND GOVERNANCE**

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**Q.1) Which of the following is/are included under Right to Life?**

1. Freedom from noise
2. Right to road in hilly areas
3. Right to timely medical treatment in any hospital

**Select the correct answer from the codes given below:**

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

**Answer: a**

- Freedom from noise and right to road in hilly areas are both a part of Right to life under Article 21.
- Right to timely medical treatment in government hospitals is part of Right to life.

**Source:** [Article](#)

**Q.2) Local sheet sometimes seen in news is a?**

- a) weather phenomenon in Himalayas
- b) layer of fly ash on vegetation near power plants
- c) An extragalactic region of space
- d) deposition of lava near caldera

**Answer: c**

- The Local Sheet in astronomy is a nearby extragalactic region of space where the Milky Way, the members of the Local Group and other galaxies share a similar peculiar velocity.

**Q.3) Global Hunger Index (GHI) is based on which of the following indicators?**

1. Child Stunting
2. Child Wasting
3. Undernourishment

**Select the correct answer from the codes given below:**

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

**Answer: d**

- Global Hunger Index is based on four indicators - Undernourishment, Child Stunting, Child Wasting and Child Mortality.
- The report is prepared by 'Welthungerhilfe' and 'Concern Worldwide',

**Source:** [Article](#)

**Q.4) With reference to the pardoning powers of the President in India, consider the following statements:**

1. Pardoning power of the President is an executive power.
2. President sits as a court of appeal while exercising his pardoning power.

**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**

- Pardoning power of the President is independent of the judiciary and is an executive power.
- President does not sit as a court of appeal while exercising his pardoning power.

**Source:** [Article](#)

**Q.5) With reference to Magnons, consider the following statements:**

1. These are quasiparticles.
2. Their movement through the material does not generate any heat.

**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**

**Both statements are correct.**

- Magnons are particle avatars of spin waves which can ripple through a lattice of tiny ferromagnetic particles of nano dimensions.
- Since magnons are quasiparticles, their movement through the material does not generate any heat.

**Source:** [Article](#)

**Q.6) With reference to the Registration of Births and Death Act (RBD Act), consider the following statements:**

1. Registration of births, deaths and stillbirths has become mandatory in India under the Act.
2. The registration of births and deaths in the country is done by the functionaries appointed by the Central government.

**Which of the statements given above is/are correct?**

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

**Answer: A**

## 10 PM Compilation for the Month of May, (First Week) 2022

**Statement 1 is correct:** The Registration of Births and Death Act (RBD Act) was enacted in 1969 to promote uniformity and comparability in the registration of births and deaths across the country and compilation of vital statistics based thereon.

With the enactment of the Act, registration of births, deaths and stillbirths has become mandatory in India.

**Statement 2 is incorrect:** The registration of births and deaths in the country is done by the functionaries appointed by the state governments.

**Source:** [The Hindu](#)

**Q.7) With reference to Shigella Bacteria, consider the following statements:**

1. Currently, there are no vaccines available for shigellosis.
2. It is transmitted through bodily fluids.
3. It is the second leading cause of diarrhea (after Rotavirus) worldwide.

**Which of the statements given above is/are correct?**

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

**Answer: C**

**Statement 1 is correct:** Shigella is a genus of bacteria that causes an infection called shigellosis. It is the second leading cause of diarrhea (after Rotavirus) worldwide and the third leading cause of death in children less than 5 years old. Currently, there are no vaccines available for shigellosis.

**Statement 2 is incorrect:** Shigella is generally transmitted through contaminated food or water, or through person-to-person contact.

**Statement 3 is correct:** It is the second leading cause of diarrhea (after Rotavirus) worldwide and the third leading cause of death in children less than 5 years old.

**Source:** [The Hindu](#)

**Q.8) State of the World's Forests report is released by which of the following organizations?**

- a) United Nations Forum on Forests
- b) International Union of Forest Research Organizations
- c) United Nations Food and Agriculture Organization (FAO)
- d) Global Forest Coalition

**Answer: C**

Recently, the State of the World's Forests 2022 (SOFO 2022) was released by the United Nations Food and Agriculture Organization (FAO). According to the report, 420 million hectares (mha) of forests have been lost between 1990 and 2020, due to deforestation, though forests cover 4.06 billion ha of the earth's geographical area.

**Source:** [DTE](#)

**Q.9) With reference to the declaration for the Future of the Internet, consider the following statements:**

1. The Declaration and its guiding principles are legally binding.
2. India, China and Russia are part of this declaration.

**Which of the statements given above is/are correct?**

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

**Answer: d**

Recently, the United States and 60 other partner countries signed a political declaration called the "Declaration for the Future of the Internet". The declaration aims to operate Internet as a single, decentralised network of networks, where digital technologies are used in a trustworthy way, avoiding unfair discrimination between individuals and allowing for contestability of online platforms, and for fair competition among businesses.

- **Statement 1 is incorrect:** The Declaration and its guiding principles are not legally binding. It should be used as a reference point for public policy makers, as well as citizens, businesses, and Civil Society Organisations.
- **Statement 2 is incorrect:** India, China and Russia are among the large nations that are not part of this declaration. India also did not sign the Budapest Convention on Cybercrime, 2001.

**Source:** [Business Line](#)

**Q.10) With reference to Health Star Rating system, consider the following statements:**

1. Under this, packaged food will be assigned a certain number of stars based on "positive" components balanced against other components.
2. The system is implemented throughout India since 2021.

**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:** Under this, packaged food will be assigned a certain number of stars based on "positive" components (fiber, protein, fruit, vegetable, nut and legume content) balanced against other components (energy, sugars, sodium, and saturated fat).

**Statement 2 is incorrect:** The Food Safety and Standards Authority of India (FSSAI) had recently proposed to introduce 'Health Start Rating' (HSR) system. The system is yet to be implemented in India.

**Source:** [The Hindu](#)

**SCIENCE AND TECHNOLOGY**

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**Q.1) With reference to the Virtual Private Network (VPN), consider the following statements:**

1. It shields a user's identity by replacing their computer's IP address with a temporary IP address hosted on a remote server.
2. It is capable of location spoofing.

**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**

**Both statements are correct.**

- **Statement 1 is correct**
- **Statement 2 is correct:** With VPN location spoofing, one can switch to a server to another country and effectively "change" their location.

**Source:** [Article](#)

**Q.2) With reference to Delimitation, consider the following statements:**

1. The Parliament enacts a Delimitation Act after every Census.
2. The orders of the Delimitation Commission come under judicial review.

**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:** Under **Article 82**, the Parliament enacts a Delimitation Act after every Census.
- **Statement 2 is incorrect:** The Delimitation Commission in India is a high-power body whose orders have the force of law and **cannot be called in question before any court.**

**Source:** [Article](#)

**Q.3) With reference to the Sun, consider the following statements:**

1. Corona is less dense than the surface of the Sun.
2. Sun's surface is a solid mass like Earth.

**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 corona is about 10 million times less dense than the Sun's surface. This low density makes the corona much less bright than the surface of the Sun.
- **Statement 2 is incorrect:** Sun's surface isn't solid like Earth's. Instead, the Sun is made of super-hot, electrically charged gas called plasma. This plasma rotates at different speeds on different parts of the Sun.

**Source:** [Article](#)

**Q.4) Arrange the following sources of power generation in the decreasing order of their share in India's power supply?**

1. Coal
2. Solar
3. Wind

**Select the correct answer from the codes given below:**

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

**Answer: a**

- Coal power generation dominates India's power supply, followed by hydro power. Solar emerged as the third-largest source in 2021, with wind power close behind.

**Source:** [Article](#)

**Q.5) With reference to Naga insurgency, consider the following statements:**

1. The term 'Naga' was created by the British for administrative convenience.
2. The Nagas did not consider themselves a part of British India.

**Which of the statements given above is/are correct?**

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

**Answer: c**

**Both statements are correct.**

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- The term 'Naga' was **created by the British for administrative convenience** to refer to a group of tribes with similar origins but distinct cultures, dialects, and customs.
- Residing in the Naga hills of Assam during the advent of the British and the annexation of Assam in 1820, the Nagas **did not consider themselves a part of British India**.

Source: [Article](#)

**Q.6) With reference to the National Film Heritage Mission(NFHM), consider the following statements:**

1. The Mission aims to preserve, restore and digitize India's cinematic heritage.
2. The mission is implemented by National Film Development Corporation of India.

**Which of the statements given above is/are correct?**

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

**Answer: A**

**Statement 1 is correct:** The mission aims to preserve, restore and digitize India's cinematic heritage.

**Statement 2 is incorrect:** The mission is implemented by National Film Archives of India (NFAI)

Source: [PIB](#)

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

1. These are localized rainfall and thunderstorm events which occur in Bangladesh and the Indian states.
2. They occur mostly in the month of August with their frequency increasing in early December.
3. These are helpful for Kharif crops like jute and paddy and gives relief after the midday heat.

**Which of the statements given above is/are correct?**

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

**Answer: C**

**Statement 1 is correct:** These are localized rainfall and thunderstorm events which occur in Bangladesh and the Indian states.

**Statement 2 is incorrect:** They occur mostly in the month of March with their frequency increasing in May and early June.

**Statement 3 is correct:** These are helpful for Kharif crops like jute and paddy and gives relief after the midday heat.

Source: [The Hindu](#)

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**Q.8) With reference to Abortion in India, consider the following statements:**

1. “Only married woman or her husband” were allowed to medically terminate the pregnancy.
2. Woman does not have the basic right to terminate a pregnancy if and when she decides.

**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:** Earlier “only married woman or her husband” were allowed to medically terminate the pregnancy, but the recent amendment to the MTP Act, provides the same for “any woman or her partner”.

**Statement 2 is correct:** Although the new rules have increased access to abortions to some extent, they fail to correct a fundamental flaw in the MTP Act that a woman does not have the basic right to terminate a pregnancy if and when she decides.

**Source:** [Indian Express](#)

**Q.9) Which of the following is/are the advantages of Direct Seeding of Rice (DSR)?**

1. Require Less Number of Labours
2. Offers avenues for ground water recharge
3. Suitable for all types of soil

**Select the correct answer from the codes given below.**

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

**Answer: A**

In DSR, the pre-germinated seeds are directly drilled into the field by a tractor-powered machine. There is no nursery preparation or transplantation involved in this method. Farmers have to only level their land and give one pre-sowing irrigation.

Advantages of DSR are

- Require Less Number of Labours.
- Offers avenues for ground water recharge.
- Increase in Yield

Disadvantages of DSR are

- Not Suitable for all types of soil: It is suitable for medium to heavy textured soils but not for light textured soil.
- Laser and Levelling are Compulsory

**Source:** [Indian Express](#)



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**Q.10) With reference to Grey Slender Loris, consider the following statements:**

1. The Grey slender loris is a nocturnal animal.
2. The species occurs in southern and eastern India (Andhra Pradesh, Karnataka, Kerala and Tamil Nadu) and Sri Lanka.

**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**

**Both the statements are correct**

**About the Grey slender loris:** The Grey slender loris belongs to the family Loridae. It is a species of primate. It has got a lean and lanky appearance, with longer and slender limbs, larger ears, pointed snout and eyes circled with black or dark brown.

The Grey slender loris is a nocturnal animal. It comes down into the bushes to feed and crosses open stretches of ground to enter isolated groves or to cross from one tree to another.

**Habitat:** They are found in tropical rainforests, scrub forests, semi-deciduous forests, and swamps.

Grey Slender Loris generally inhabits dry and drought-prone areas of Dindigul district of Tamil Nadu. The species occurs in southern and eastern India (Andhra Pradesh, Karnataka, Kerala and Tamil Nadu) and Sri Lanka.

**Source:** [DTE](#)

**PRELIMS**

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**Q.1) The relationship between a reef-building coral and zooxanthellae can be characterized under which of the following categories?**

- a) Amensalism
- b) Commensalism
- c) Mutualism
- d) Competition

**Answer: c**

- Shallow water, reef-building corals have a symbiotic relationship with photosynthetic algae called zooxanthellae, which live in their tissues. The coral provides a protected environment and the compounds zooxanthellae need for photosynthesis. In return, the algae produce carbohydrates that the coral uses for food, as well as oxygen. The algae also help the coral remove waste. Since both partners benefit from association, this type of symbiosis is called mutualism.

**Source:** [Article](#)

**Q.2) Which of the following marine species can show biofluorescence?**

- 1. Sea Turtle
- 2. Sharks
- 3. Corals

**Select the correct answer from the codes given below:**

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

**Answer: d**

All of the given species show biofluorescence.

- **Corals:** Corals make so much of one particular protein which causes them to be fluorescent. This composes 15% of the protein in corals. Corals could use biofluorescence as an **attractant for microbes** with whom they have a symbiotic relationship — microbes have very good photoreceptors and can see different colours. So, this could be a great way to signal microbes to inhabit corals.
- **Fishes:** Fishes use biofluorescence as camouflage or to call to other fish with the same phenomena.
  - **Shark:** The molecule causing fluorescence in sharks is an anti-microbial. So, nothing will ever grow on these sharks, even if they just sit at the bottom of the sea.
- **Sea turtle:** Biofluorescence has also been found in a sea turtle.

**Source:** [Article](#)

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### **Q.3) Consider the following statements regarding Bharat Net Project:**

1. It aims to provide a minimum bandwidth of 2gbps to each of the 2.5lakh Gram Panchayats.
2. It is being implemented by a special purpose vehicle named Bharat Broadband Network Ltd. set up under Companies Act.
3. It is being funded by the Universal Service Obligation Fund (USOF).

#### **Which of the statements given above is/are correct?**

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

#### **Answer: c**

It aims to provide a minimum bandwidth of 100 Mbps to each of the 2.5 lakhs GPs.

- It will facilitate delivery of e-governance, e-health, e-education, e-banking, public internet access, G2C, B2B, P2P, B2C etc., weather, agricultural and other services to rural India.
- It is the new brand name of NOFN (National Optic Fibre Network) which is being implemented in three phases.
- First phase – Envisaged to provide one lakh gram panchayats with broadband connectivity by laying underground optic fibre cable lines with deadline of 31st December 2017, which was achieved.
- Second Phase – It will provide connectivity to all 2,50,000 Panchayats using an optimal mix of underground fibre, fibre over powerlines, radio and satellite media to be completed by March 2019.
- Third Phase – It will be implemented from 2019 to 2023 during which state-of-the-art, future proof network, including fiber between districts and blocks, with ring topology would be created.
- It is being implemented by a special purpose vehicle named Bharat Broadband Network Ltd. set up under Companies Act.
- It is being funded by the Universal Service Obligation Fund (USOF).

### **Q.4) Which of the following is/are a benefit offered by Wetlands?**

1. Prevention of coastal flooding
2. Reduction in Air temperature
3. Anaerobic decomposition of organic matter

#### **Select the answer from the codes given below:**

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

#### **Answer: a**

- Mangroves and salt marshes help shield the 60% of the world's population that live along our coasts from the impacts of coastal flooding.
- Wetlands can also protect us from droughts and reduce air temperatures by up to 10 degrees Celsius.

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- Wetlands produce about one-quarter of the Earth's atmospheric methane through the anaerobic decomposition of organic matter.

Source: [Article](#)

### **Q.5) Consider the following statements regarding the Storm Surge:**

1. Storm surge is the abnormal rise in seawater level during a storm, measured as the height of the water above the normal predicted astronomical tide.
2. The amplitude of the storm surge at any given location depends on the orientation of the coast line with the storm track.

**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**

Storm Surge.

- Storm surge is the abnormal rise in seawater level during a storm, measured as the height of the water above the normal predicted astronomical tide.
- The surge is caused primarily by a storm's winds pushing water onshore.
- The amplitude of the storm surge at any given location depends on the orientation of the coast line with the storm track;
- The intensity, size, and speed of the storm; and the local bathymetry.

### **Q.6) With reference to Direct Seeding of Rice (DSR), consider the following statements:**

1. In DSR, the pre-germinated seeds are directly drilled into the field by a tractor-powered machine.
2. The spraying of herbicides is not required in DSR.

**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:** In DSR, the pre-germinated seeds are directly drilled into the field by a tractor-powered machine.

**Statement 2 is incorrect:** The spraying of herbicides must be done simultaneously along with sowing, and the first irrigation.

Source: [Indian Express](#)

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**Q.7) With reference to noise pollution, consider the following statements:**

1. Noise pollution and its sources were regulated under the Air (Prevention and Control of Pollution) Act, 1981.
2. The Central Pollution Control Board (CPCB) has laid down the permissible noise levels in India for different areas.

**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:** Earlier, noise pollution and its sources were addressed under the Air (Prevention and Control of Pollution) Act, 1981. They are now, however, regulated separately under the Noise Pollution (Regulation and Control) Rules, 2000.

**Statement 2 is correct:** The Central Pollution Control Board (CPCB) has laid down the permissible noise levels in India for different areas.

- In industrial areas, the permissible limit is 75 dB for daytime and 70 dB at night.
- In commercial areas, it is 65 dB and 55 dB.
- In residential areas, it is 55 dB and 45 dB during daytime and night respectively.

**Source:** [Indian Express](#)

**Q.8) Which of the following is/are the benefits of Regional Rapid Transit System (RRTS)?**

1. Reduce CO2 emissions
2. Help in Sustainable Urbanization
3. Provide reliable, high frequency, point to point travel

**Select the correct answer from the codes given below.**

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

**Answer: D**

The benefits of RRTS are,

RRTS is a new, dedicated, high speed, high capacity, comfortable commuter service connecting regional nodes in NCR.

RRTS is different from conventional Railway as it will provide reliable, high frequency, point to point regional travel at high speed along dedicated path way.

RRTS is different from metro as it caters to passengers looking to travel a relatively longer distance with fewer stops and at higher speed.

**Environment Friendly:** The corridor is estimated to reduce 2.5 lakh CO2 tonnes/year of total annual greenhouse gas emissions, making the city a cleaner and a much better place to live.

**Sustainable Urbanization:** The project will serve as a demonstration for developing high-capacity rapid urban transit corridors in other urban areas of India.

**Source:** [AIR](#)

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**Q.9) With reference to Fishing Cat, consider the following statements:**

1. The Fishing Cat is a nocturnal animal.
2. Unlike all other cats, they are not carnivores.

**Which of the statements given above is/are incorrect?**

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

**Answer: B**

**Statement 1 is correct:** Fishing cats are nocturnal or crepuscular which means active during the night or the twilight period but daytime sightings have been reported too.

**Statement 2 is incorrect:** They are hyper-carnivores—animals that get over 70% of their nutrition from meat—making them excellent predators. They mostly prey on fish and are perfectly adapted to hunt in water. Apart from fish, they also prey on frogs, crustaceans, snakes, birds, and scavengers on carcasses of larger animals.

**Source:** [Livemint](#)

**Q.10) With reference to interstate arrests, consider the following statements:**

1. Interstate arrests can be done only with the execution of a warrant issued by a competent court.
2. In interstate arrests, the police have an obligation to present an arrested person before a magistrate within 24 hours.

**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:** Interstate arrests can be done by the execution of a warrant issued by a competent court or even without a warrant — in which case the concerned state police must inform the local police about the arrest.

**Statement 2 is correct:** In interstate arrests, the police have an obligation to present an arrested person before a magistrate within 24 hours. This excludes the time necessary for the journey from the place of arrest to the court of the magistrate. Further, no such person shall be detained in custody beyond the said period without the authority of a magistrate.

**Source:** [Indian Express](#)