

10 PM Current Affairs Quiz Compilation

1st to 6th August, 2022

PRELIMS

Q.1) Which of the following constitutional amendments promoted 'Democratic decentralisation' in India?

- 1) 73rd and 74th Amendments
- 2) 42nd amendment
- 3) 4th Constitutional amendment

Select the correct answer using the codes given below:

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

Ans) c

Explanations)

Option 1 is correct. India's centralised federal Constitution adopted in 1950 had no real space for local governments until the passing of the 73rd and 74th Amendments.

Option 2 is incorrect. It reduced the subjects in the state list by transferring five subjects from the state list to the concurrent list:

1. Education
2. Forests
3. Weights & Measures
4. Protection of Wild Animals and Birds
5. Administration of Justice

Option 3 is correct. 4th Constitutional amendment act authorised the states to have full control over mineral and oil resources. The powers of cancellation or modification of the terms and conditions of any related licenses, mining leases and similar agreements were also handed over.

Q.2) With regard to fighter Aircrafts capability of a nation, what do you understand by the term "Hi-Lo mix"?

- a) It is a mix of Aircrafts that can fly at high altitude and the ones that can fly at low altitudes.
- b) It is a mix of Aircrafts that can carry atomic weapons and the ones that can carry only non-atomic weapons
- c) It is a mix of Aircrafts that are more expensive plus high-tech and the ones that are cheaper and simple.
- d) It is a mix of aircrafts that can cover a longer distance and the ones that can cover smaller distances.

Ans) c

Explanations)

The High/Low concept means a mix of larger, more expensive and more capable aircraft and smaller, cheaper and simpler ones. For example, US has the F-22/F-16, the Chinese have developed the J-20/ J-10 and Pakistan is working on the J-10/JF-17 mix.

Q.3) Which of the following is the correct application of Artificial Intelligence in agriculture?

- 1) Correct predictions of weather, temperature, water consumption
- 2) Detection of crop diseases
- 3) Consolidation of landholdings

Select the correct answer using the codes given below:

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

Ans) a

Explanations)

Option 1 is correct. AI is vital for **prediction analysis**. For example, it can enable farmers to extract and analyse information such as weather, temperature, water consumption or soil conditions through data collected directly from their fields.

Options 2 is correct. The use of image recognition using AI approaches for plant identification, pest infestation and disease diagnosis is also becoming prevalent.

Option 3 is incorrect. The fragmentation of land could also prove to be a hurdle for **large-scale implementation** of new technologies.

Q.4) Which of the following statements best describes the term ‘digital humanities’?

- a) Learning humanities subjects online through innovative and new methodologies.
- b) It refers to the internet users who research online to find out new facts and findings about the unknown areas of humanities like history, art and culture.
- c) This is a new area introduced in the humanities, which studies the applications of science and technology in history.
- d) Application of mathematical models to understand new aspects of huge digital historical archives and collections.

Ans) d

Explanations)

Digital humanists have developed new methods, such as computer-based statistical analysis, search and retrieval, topic modelling, and data visualisation. They apply these techniques to archives and collections that are vastly larger than any human researcher or research group can comfortably handle. Thus, Digital humanities, also known as “humanities computing,” uses digital methods to delve deeper into humanities subjects like history, literature or arts.

Q.5) Which of the following statements is/are correct regarding the 'International North-South Transport Corridor'?

- 1) It is a multi-modal transport corridor.
- 2) It can help India in bypassing Pakistan to access Afghanistan and central Asia.
- 3) It will increase India's journey time by around 5% compared to the conventional deep-sea route via the Suez Canal.

Select the correct answer using the codes given below:

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

Ans) a

Explanations)

Statement 1 is correct. INSTC is a 7,200-km multi-modal transport corridor that combines road, rail and maritime routes connecting Russia and India via central Asia and Iran.

Statement 2 is correct. INSTC includes Iran. Thus India can now bypass Pakistan to access Afghanistan, central Asia and beyond.

Statement 3 is incorrect. The INSTC is expected to reduce freight costs by 30% and journey time by 40% in comparison with the conventional deep sea route via the Suez Canal.

Q.6) Exercise Eastern Bridge is a bilateral Air Force exercise between India and which of the following country?

- a) Iran
- b) Oman
- c) Saudi Arabia
- d) Israel

Answer: B

The 4th Edition of India Oman Joint Military Exercise 'AL NAJAH-IV' is scheduled to take place at the Foreign Training Node of Mahajan Field Firing Ranges (Rajasthan).

Other exercises between India and Oman:

Exercise Naseem-Al-Bahr(sea breeze): It is a naval exercise between the Indian Navy and Oman.

Exercise Eastern Bridge: It is an Air Force exercise held between India and Oman.

Source: [PIB](#)

Q.7) With reference to Resolution on Right to a clean and healthy environment, consider the following statements;

1. It is a non-binding resolution that recognizes the right to a clean, healthy and sustainable environment as a human right.
2. The Right to a clean and healthy environment is included in the Universal Declaration of Human Rights.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: It is a non-binding resolution that recognizes the right to a clean, healthy and sustainable environment as a human right.

Statement 2 is incorrect: The Right to a clean and healthy environment is not included in the Universal Declaration of Human Rights, 1948. So, this is a historic resolution that will change the very nature of international human rights law.

Source: [DTE](#)

Q.8) Which of the following basic precepts of justice and fairness is/are inherent in India's criminal justice system?

1. A person is presumed innocent until proven guilty.
2. A person detained on suspicion of having committed an offence would be entitled to bail pending trial.
3. Civil law ought not to be retroactive.

Select the correct answer using the codes given below;

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

Answer: C

Some basic precepts of justice and fairness are inherent to India's criminal justice system. These precepts include, **a)** A person is presumed innocent until proven guilty, **b)** A person detained on suspicion of having committed an offence would be entitled to bail pending trial, **c)** A criminal law ought not to be retroactive, **d)** A person accused of an offence must be informed of the charges made against him; and **e)** A suspect has a privilege against incriminating herself.

Source: [The Hindu](#)

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Q.9) With reference to public stock holding (PSH) food grains, consider the following statements;

1. WTO prohibits countries from exporting foodgrain procured at subsidised prices.
2. The 'peace clause' provides permanent relief to developing countries as it bars countries from raising legal challenges against public stock holding subsidies.

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: WTO prohibits countries from exporting foodgrain procured at subsidised prices. This is because, **a)** Gives an unfair advantage in global agricultural trade, **b)** A country will sell foodgrain in the international market at a very low price. This will depress the global prices and have an adverse impact on the agricultural trade of other countries.

Statement 2 is incorrect: India's PSH policy is based on procuring food from farmers at an administered price (minimum support price or MSP - generally higher than the market price). However, under WTO law, such price support-based procurement from farmers is considered as a trade-distorting subsidy. Currently, India has temporary relief due to a 'peace clause' that bars countries from raising legal challenges against these subsidies.

Source: [The Hindu](#)

Q.10) With reference to International North-South Transport Corridor (INSTC), consider the following statements;

1. It is a multi-modal transport corridor that combines road and maritime route alone.
2. The legal framework for the INSTC is provided by a trilateral agreement signed by India, Iran and Russia at the Euro-Asian Conference on Transport.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: It is a 7,200-km multi-modal transport corridor that combines road, rail and maritime routes connecting Russia and India via Central Asia and Iran. The corridor is expected to consolidate the emerging Eurasian Free Trade Area.

Statement 2 is correct: The legal framework for the INSTC is provided by a trilateral agreement signed by India, Iran and Russia at the Euro-Asian Conference on Transport in 2000.

Source: [The Hindu](#)

PRELIMS

Q.1) Patient-Provider Support Agency (PPSA) model, recently seen in news, is linked to control which of the following diseases?

- a) Tuberculosis
- b) Cancer
- c) Dengue and Malaria
- d) Anemia

Ans) a

Explanation)

Patient Provider Support Agency (PPSA) project. It focuses on implementing TB prevention and treatment interventions with extensive government support thereby marking an important milestone in the health sector for scaled-up, sustainable programming.

[Base Article](#)

Q.2) Despite having large reserves in India, Coal availability is still dependent on imports, which of the following are the factors that increase Coal Imports?

- 1) Production has not increased since nationalization
- 2) Coal available in India is not suitable for metallurgical industry.
- 3) Cash starved Power Distribution companies (Discoms)

Select the correct answer from the codes given below

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

Ans) c

Statement 1 is incorrect. Coal India has increased its production but it has not been able to keep pace with rising demand. And private sector coal mines are still marginal to India's demand supply equation.

Statement 2 is correct. The bulk of India's reserves — over 282 billion tonnes — consists of the relatively low calorific value thermal or non-coking coal that powers most of the thermal power plants. The country has fewer reserves of the higher quality coking coal used most commonly in the metallurgical industry.

Statement 3 is correct. Many state discoms owe enormous amounts to power generating companies. This in turn has hampered the ability of power producers to pay CIL on time.

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Q.3) Consider the following statements regarding coal liquefaction

- 1) Gasification of coal produces syngas.
- 2) Coal liquefaction does not emit Carbon Dioxide (CO₂).

Select the correct answer using the codes given below:

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

Ans) a

Statement 1 is correct. It involves gasification of coal, which in turn will produce synthetic gas (a mix of CO+H₂). The synthetic gas can be liquefied to its fuel equivalent in presence of cobalt/iron-based catalysts at higher pressure and temperature. Statement 2 is incorrect. liquefied coal emits twice as much CO₂ as burning oil. It also emits a large volume of SO₂.

Q.4) This program is being implemented for development and conservation of indigenous bovine breeds for enhancing milk production and productivity of bovines. The scheme is also continued under umbrella scheme Rashtriya Pashudhan Vikas Yojna from 2021 to 2026

Which one of the following scheme has been described in the paragraph above?

- a) Livestock Health and Disease Control scheme
- b) Dairy processing & Infrastructure Development Fund (DIDF)
- c) National Programme for Dairy Development (NPDD)
- d) Rashtriya Gokul Mission (RGM)

Ans) d

The Rashtriya Gokul Mission (RGM) is being implemented for development and conservation of indigenous bovine breeds since December 2014. The scheme is important in enhancing milk production and productivity of bovines to meet growing demand of milk and making dairying more remunerative to the rural farmers of the country. The scheme is also continued under umbrella scheme Rashtriya Pashudhan Vikas Yojna from 2021 to 2026 with a budget outlay of Rs.2400 crore. The RGM will result in enhanced productivity and benefit of the programme, percolating to all cattle and buffaloes of India especially with small and marginal farmers. This programme will also benefit women in particular since over 70% of the work involved in livestock farming is undertaken by women.

Q.5) Kalashala initiative which was seen in news is related to which of the following?

- a) To promote art and culture through displaying stalls in attractive places in cities.
- b) To promote bhartiya games like 'gilli danda', 'kabaddi' in schools.
- c) To educate children about the various art forms of India and help them discover the country's rich cultural heritage.
- d) To educate foreign students in India about the India's cultural heritage.

Answer: C

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It will be launched in 750 schools. It envisions educating children about the various art forms of India & help them discover the country's rich cultural heritage. The school students will learn about various art forms through lecture demonstrations by a visiting artist.

Source: [Hindustan Times](#)

Q.7) With reference to uncontrolled re-entry of space shuttles, consider the following statements;

1. A launching State is absolutely liable to pay compensation for damage caused by its space objects on the surface of the earth or to aircraft.
2. There is a specific law for space junk crashing back to 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 Space Liability Convention of 1972 defines responsibility in case a space object causes harm.

The treaty says that a launching State shall be absolutely liable to pay compensation for damage caused by its space objects on the surface of the earth or to aircraft, and liable for damage due to its faults in space.

Statement 2 is incorrect: The convention also provides for procedures for the settlement of claims for damages. However, there is no law against space junk crashing back to earth.

Source: [Indian Express](#)

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

1. It is caused by a single-stranded RNA virus. Thus, makes unstable and prone to rapid mutations.
2. The Congo Basin clade has historically caused more severe disease and was thought to be more transmissible than the West African clade.

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: Monkeypox belongs to the orthopoxvirus, which is a genus of viruses that also includes the variola virus which causes smallpox.

It is an enveloped double-stranded DNA virus, unlike the RNA virus. This makes it far more stable and less prone to rapid mutations.

Statement 2 is correct: There are two distinct genetic clades of the monkeypox virus: the central African (Congo Basin) clade and the West African clade. The Congo Basin clade has historically caused more severe disease and was thought to be more transmissible.

Source: [The Hindu](#)

Q.9) Which of the following advantage/s of using Rupees for international transactions?

1. India can avoid transactions in the highly-priced other country currencies.
2. Increase inflation and capital flight from India
3. Prevent the drop in foreign exchange reserves

Select the correct answer using the codes given below;

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

Answer: C

The advantages of using Rupees for international transactions are,

a) India can avoid transactions in the highly-priced dollar which has an exchange value of ₹80, **b)** Provide stability to the Indian economy and prevent inflation and capital flight and **c)** Prevent the drop in foreign exchange reserves.

Q.10) Which of the following is/are the potential Application/s of deep learning?

1. Self Driving Cars
2. Voice recognition
3. Predicting Earthquakes

Select the correct answer using the codes given below;

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

Answer: D

Potential Applications of deep learning:

1. **Self Driving Cars:** Deep learning technology is being employed in self driving cars. It allow cars to learn roads, paths, stop signs, vehicle in front or back using proximity sensors, cameras etc allowing it to drive by itself.
2. **Voice recognition:** Deep learning is very successful in voice recognition technology. All major commercial speech recognition systems (e.g. Microsoft Cortana, Skype Translator, Amazon Alexa, Google Now, Apple Siri, etc.) are based on deep learning.
3. **Image recognition:** Deep learning based image recognition produce more accurate results. Deep learning based vehicles now interpret 360° camera views.
4. **Language translation:** Deep learning has helped in improving machine translation. Google Translate uses deep learning technology.
5. **Pharmaceutical applications:** A large number of drugs fail to get regulatory approval. These failures are caused by insufficient efficacy, undesired interactions or toxic effects. Researchers have uses deep learning to reduce such failures.
6. **Predicting Earthquakes and weather forecasting:** Harvard scientists used Deep Learning in predictions of earthquakes.

Source: [The Hindu](#)

PRELIMS

Q.1) With regard to 'Information Commissions', consider the following statements:

- 1) Intelligence and security organizations specified in the Second Schedule of RTI act do not require to furnish info regarding allegations of corruption and human rights violation.
- 2) Chief Information Commissioners tenure of office is 3 years

Select the correct answer using the codes given below:

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

Ans) b

Statement 1 is incorrect. Intelligence and security organizations specified in the Second Schedule to the Act are exempt from furnishing information under the Act. However, this exemption does not apply if the requested information pertains to the allegations of corruption and human rights violations

Statement 2 is correct. The tenure of CICs was reduced to 3 years by the rules released in 2019. Originally the tenure was 5 years.

Q.2) With regard to 'BHASHINI', consider the following statements

- 1) It aims to build a National Public Digital Platform for languages to develop services and products for citizens.
- 2) It is a part of the National Language Translation Mission.

Select the correct answer using the codes given below:

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

Ans) c

Statement 1 is correct. Bhashini aims to build a National Public Digital Platform for languages to develop services and products for citizens by leveraging the power of artificial intelligence and other emerging technologies.

Statement 2 is correct. Bhashini is launched under the National Language Translation Mission of the Ministry of Electronics and Information Technology.

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Q.3) Which of the following statements is/are correct?

- 1) Use of electric power to create mass production, was the feature of the 1st industrial revolution.
- 2) The use of computers started in the 4th Industrial revolution.

Answer using the codes given below

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

Ans) d

Both statements 1 and 2 are incorrect. The First Industrial Revolution used water and steam power to mechanize production. The Second used electric power to create mass production. The Third used electronics and information technology to automate production. Now a Fourth Industrial Revolution is building on the Third, the digital revolution that has been occurring since the middle of the last century. It is characterized by a fusion of technologies that is blurring the lines between the physical, digital, and biological spheres.

Q.4) Consider the following statements regarding 'Weapons of Mass Destruction and their Delivery Systems (Prohibition of Unlawful Activities) Act, 2005'

- 1) Weapons of mass destruction covered are biological, chemical, or nuclear weapons.
- 2) It also prohibits manufacturing of means of delivery of Weapons of Mass Destruction.
- 3) Civil courts have no jurisdiction on the matters under this act.

Select the correct answer using the codes given below:

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

Ans) d

Statement 1 is correct. Weapons of mass destruction are biological, chemical, or nuclear weapons as per the act.

Statement 2 is correct. The 2005 Act prohibits unlawful activities (such as manufacturing, transport, or transfer) related to weapons of mass destruction, and their means of delivery.

Statement 3 is correct. Bar of jurisdiction of civil courts.-No action or proceedings taken under section 5 and sub-sections (1) and (2) of section 7 of this Act by the Central Government or any officer authorised by it in this behalf shall be called in question in any civil court in any suit or application or by way of appeal or revision, and no injunction shall be granted by any civil court or other authority in respect of any action taken or to be taken in pursuance of any power conferred under those provisions.

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Q.5) Which of the following statements is/are correct?

- 1) Meteorological Drought means lack of precipitation.
- 2) Hydrological drought means low levels of water in reservoirs.
- 3) Agricultural drought means lack of moisture in the soil.

Select the answer using the codes given below

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

Ans) d

Types of droughts as per NDMA:

Meteorological Drought – referring to lack of precipitation.

Agricultural drought – referring to lack of moisture in the soil where crops grow.

Hydrological drought – referring to low levels of water in reservoirs.

Socio-economic drought – referring to water shortages affecting people in society, which impacts availability of foodgrains, fodder, etc.

Q.6) Exercise Pitch Black is a biennial exercise hosted by which of the following country?

- a) France
- b) Australia
- c) The US
- d) The UK

Answer: B

Exercise Pitch Black is a biennial exercise hosted by the Australian Air Force.

Aim: To practice Offensive Counter Air(OCA) and Defensive Counter Air(DCA) combat in a simulated war environment.

Participating countries: The participating countries are Australia, Canada, France, Germany, Indonesia, India, Japan, Malaysia, Netherlands, New Zealand, the Philippines, South Korea, Singapore, Thailand, UAE, U.K and U.S.

Source: [The Hindu](#)

Q.7) Which of the following statement is/are the correct about India's Antarctic Expedition?

1. India conducted two Antarctic expedition before getting membership to Antarctic Treaty.
2. India has its own research ship with ice-breaking and other advanced technological capabilities.
3. Operation Gangotri was India's first Antarctic Expedition.

Select the correct answer using the codes given below;

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

Answer: C

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Statement 1 and 3 are correct: On January 9, 1982, India claimed that India's first Antarctic expedition (Operation Gangotri) has reached its destination. No other Asian country, including China, had a presence there.

A second expedition led by one of India's top geologists V.K. Raina landed in Antarctica on December 10, 1982.

With two expeditions successfully completed within a span of 11 months, India finally became a member of the Antarctic Treaty in 1983 and China followed in 1985.

Statement 2 is incorrect: India has been chartering polar research ships from countries like Russia and Norway while China has two of its own. A decision was taken in 2014 for India to have its own research ship with ice-breaking and other advanced technological capabilities but it remains unimplemented.

Source: [The Hindu](#)

Q.8) Which of the following statement is not correct about Pingali Venkayya?

- He was also known as Patti Venkayya because of his research into Cambodia Cotton.
- His earlier version of flag version of two red and green bands which represented two major religious communities.
- On the advice of Mahatma Gandhi, Venkayya added a white band which represented peace.
- His flag was approved by Jawaharlal Nehru at a Congress meeting in Haripura.

Answer: D

Venkayya designed several models of national flag starting from the one designed in 1921 which was approved by Mahatma Gandhi at a Congress meeting in Vijayawada.

Source: [PIB](#)

Q.9) With reference to Regulation of Markets in Crypto-Assets agreement, consider the following statements;

- Under this, crypto asset service providers will be liable in case they lose investors' assets, and will be subject to market-abuse regulations.
- This agreement was signed between the US and Crypto Issuers.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: Under this, crypto asset service providers will be liable in case they lose investors' assets, and will be subject to European market-abuse regulations, including those on market manipulation and insider trading.

Statement 2 is incorrect: The European Parliament and Council, the legislative arms of the European Union signed a provisional agreement titled 'Regulation of Markets in Crypto-Assets, or MiCA'.

Source: [The Hindu](#)

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Q.10) With reference to National Food Security Act, consider the following statements;

1. It is the 'world's largest food security programme' by distributing free foodgrain.
2. The NFSA expanded the coverage of the PDS to about two-thirds of the population.

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: Eligible persons will be entitled to receive 5 Kgs of foodgrains per person per month at subsidised prices of Rs. 3/2/1 per Kg for rice/wheat/coarse grains.

The Government implementing the 'world's largest food security programme' by distributing free foodgrain, through the Pradhan Mantri Garib Kalyan Anna Yojana (PMGKAY) to around 80 crore ration cardholders.

Statement 2 is correct: The NFSA expanded the coverage of the PDS to about two-thirds of the population.

Source: [The Hindu](#)

PRELIMS

Q.1) With reference to Infrastructure Finance Secretariat (IFS), consider the following statements:

- 1) It works under the Department of Economic Affairs (DEA)
- 2) It will work on the capacity building of urban local bodies and village panchayats

Select correct answer using the codes given below:

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

Ans) c

Exp)

Statement 1 is correct. The IFS will function as an extended arm of the DEA

Statement 2 is correct. There is the expectation that decision-making, ownership and operations and maintenance of utilities (like Nal-Se-Jal) will cascade down to the next levels of the country's federal governance structure, viz. urban local bodies and village panchayats. This shift requires massive capacity-building at decentralized levels, which is one of the priority mandates of the IFS.

[Business Standard](#)

Q.2) Which of the following statements correctly describes the term 'Employment Elasticity'?

- a) It indicates the growth of the economy due to the increase in employment opportunities.
- b) It indicates the increase in the output of an organisation due to an increase in the number of employees.
- c) It is the ratio of shift of employment to the more productive sectors from low productive ones, due to economic growth.
- d) It indicates the ability of an economy to generate employment opportunities for its population as per cent of its growth

Ans) d

Exp)

Employment elasticity is a measure of the percentage change in employment associated with a 1 percentage point change in economic growth. The employment elasticity indicates the ability of an economy to generate employment opportunities for its population as per cent of its growth (development) process.

[Live mint](#)

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Q.3) Which of the following statements is/are correct regarding Minerals Security Partnership (MSP)?

- 1) It is a global initiative to bolster critical mineral supply chains.
- 2) India is one of the founding members of MSP

Answer using the codes given below

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

Ans) a

Statement 1 is correct. Minerals Security Partnership (MSP), an ambitious new initiative to bolster critical mineral supply chains. MSP partners – including Australia, Canada, Finland, France, Germany, Japan, the Republic of Korea, Sweden, the United Kingdom, the United States, and the European Commission

Statement 2 is incorrect. India is not a part of this partnership

[Indian Express](#)

Q.4) Consider the following statements regarding Environment Protection Act (EPA), 1986

1. There is no provision of imprisonment in EPA, for the violations of environmental laws.
2. The act was enacted to implement India's commitment under Stockholm conference, 1972.

Select the correct answer using the codes given below

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

Ans) b

Statement 1 is incorrect. In case of any non-compliance or contravention of the current provisions of the EPA, or of the rules under this Act, the violator can be punished with imprisonment up to five years or with a fine up to Rs 1,00,000, or with both.

Statement 2 is correct. The Act of 1986 was enacted under Article 253[1] of Indian Constitution, for implementation of the decisions at *United Nations Conference on Human Environment at Stockholm* in 1972 in order to provide for progressive policy for protection of ecosystem and ecology.

Q.5) Consider the following category of voters in India

- 1) Migrant workers
- 2) Government officials deployed in Embassies outside the country
- 3) Non- Resident Indians
- 4) Persons working in Central Forces

Which among the above categories are allowed to vote through Electronically Transmitted Postal Ballot System in India?

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

Ans. d)

Explanation

Persons working in Central Forces under Arms Act and Government officials deployed in Embassies outside the country are classified as Service Voters and are provisioned for online enrolment.

For the first time in 2019, enabled through the dedicated portal

<https://www.servicevoter.eci.nic.in> online registration, the service voters were sent postal ballots electronically one way to save processing time, resources and avoid human errors.

The previous Lok Sabha had passed a bill to extend proxy voting facility to NRIs, but the bill lapsed.

Election commission is looking to provide remote voting facility to migrant workers.

Q.6) Which of the following is/are the impact of freebies on Indian economy?

1. Undermine credit culture.
2. Drop in labour force participation.
3. Eroding incentives for private investment.

Select the correct answer using the codes given below;

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

Answer: D

Freebies potentially undermine credit culture, distort prices through cross-subsidisation eroding incentives for private investment and disincentivising work at the current wage rate leading to a drop in labour force participation.

Source: [The Hindu](#)

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Q.7) With reference to Yuan Wang 5, consider the following statements;

1. It is a Chinese ship that is en route to Hambantota, a strategically important deep-sea port.
2. It is a Chinese aircraft carrier.

Which of the statements given above is/are correct?

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

Answer: A

Statement 1 is correct: It is a Chinese ship that is en route to Hambantota, a strategically important deep-sea port.

Statement 2 is incorrect: It is a Chinese “spy ship” that is used for research and survey operations. ‘Yuan Wang’-class ships are used to track satellite, rocket and intercontinental ballistic missile (ICBM) launches.

China has around seven of these tracking ships that are capable of operating throughout the Pacific, Atlantic, and Indian oceans. The ships supplement Beijing’s land-based tracking stations.

Source: [Indian Express](#)

Q.8) Which of the following person has written the book The Rihla?

- a) Megasthenes
- b) Marco Polo
- c) Ibn Battuta
- d) Nicolo Conti

Answer: C

Indian Ocean trade routes since the old times include countries in the Arabian Gulf, East Africa, the Indian Peninsula, Bay of Bengal, Sri Lanka, Maldives, and other small island states. From the ports and harbours on Bahr Faris (Arabian Gulf) and down to the Swahili Coast on the west to the ports and harbours on the far east to Malacca.

For centuries, Indian Ocean navigators, shipowners and merchants were the custodians of all trade routes that crisscrossed the Indian Ocean.

Ibn Battuta in his book The Rihla talks of his travels in the Maldives and all throughout the Indian Ocean trading ports.

Answer: [The Hindu](#)

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

Q.9) With reference to India's updated Nationally Determined Commitments, consider the following statements;

1. Accordingly, at least 50% of India's total electricity generation, not just 40%, would come from renewable sources by 2030.
2. India included all the 'Panchamrit' pledge it made in COP26 into updated NDC.

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: Accordingly, at least 50% of India's total electricity generation, not just 40%, would come from renewable sources by 2030.

Statement 2 is incorrect: India included only two of the 'Panchamrit' pledge it made in COP26 into updated NDC.



PRIME MINISTER'S PANCHAMRIT ANNOUNCED IN GLASGOW

Promise	Whether included in new NDC
Non-fossil fuel electricity installed capacity to reach 500 GW	Not included
At least 50 per cent of total installed electricity generation capacity to come from non-fossil fuel sources	Included
Reduction of one billion tonnes of carbon dioxide equivalent from cumulative projected emissions between now and 2030	Not included
At least 45 per cent reduction in emission intensity of GDP by 2030	Included
Net zero status by 2030	Never intended to be part of NDC

Source: [PIB](#)

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

Q.10) With reference to **President as a Supreme Commander of the Armed Forces**, consider the following statements;

1. The term “defence forces of the Union” is defined in the Constitution.
2. India follows the British precedent and declared that the supreme command of the Defence Forces of the Union shall be vested in the President.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: The term “defence forces of the Union” is nowhere defined in the Constitution.

Statement 2 is correct: Article 53(2) mentions “Without prejudice to the generality of the foregoing provision, the supreme command of the Defence Forces of the Union shall be vested in the President and the exercise thereof shall be regulated by law”.

The President of India ended up becoming the Supreme Commander of the Indian Armed Forces for the simple reason that the members of the Constituent Assembly decided to follow British precedent.

Source: [Indian Express](#)

PRELIMS

Q.1) Which of the following aircraft carrier has not been commissioned yet in the Indian Navy?

- a) INS Vikrant
- b) INS Viraat
- c) INS Vikramaditya
- d) INS Vikrant or IAC-1

Ans) d

India's first indigenous aircraft carrier, or IAC-1, had been under construction. Since independence, India has cumulatively operated three aircraft carriers. The second INS Vikrant, which will be commissioned soon, will be the fourth. Two of these, the original INS Vikrant (19,000 tonnes) and the INS Viraat (28,000 tonnes), have been decommissioned, leaving the navy with only one serving carrier: The 44,000-tonne INS Vikramaditya.

Q.2) Consider the following statements regarding the Financial Stability Report:

- 1) It is published by RBI
- 2) It includes contributions from all the financial sector regulators.

Select the correct answer using the codes given below

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

Ans) c

Statement 1 and 2 are correct.

The Financial Stability Report (FSR) is published biannually and includes contributions from all the financial sector regulators. Accordingly, it reflects the collective assessment of the Sub Committee of the Financial Stability and Development Council (FSDC-SC) on risks to stability of the Indian financial system.

Q.3) Which of the following initiatives can be categorised as a "Lifestyle for the Environment" (LiFE) initiative?

- 1) Use of bicycles to go to the office
- 2) Turning off ACs, heaters and lights when not in use
- 3) Consuming green vegetables as much as possible

Select the answer using the codes given below

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

Ans) a

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Option 1 and 2 are correct. The concept of “Lifestyle for the Environment” (LiFE) — advocating for “mindful and deliberate utilisation” by people worldwide, instead of “mindful and wasteful consumption”. It includes avoiding wasteful consumption and productions.

Option 3 is not correct. Avoiding food wastage can reduce an individual’s carbon footprint by 370 kg per year. However, just relying on green vegetables without avoiding food wastage won’t help.

Q.4) Consider the following statements regarding ‘Radio frequencies’

- 1) High-frequency waves carry more data and are faster than lower-frequency waves
- 2) Lower-frequency waves can be blocked or obstructed easily.
- 3) Lower-frequency waves can provide wider coverage.

Select the correct answer using the codes given below

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

Ans) c

Statement 1 is correct. Statement 2 is incorrect. High-frequency waves carry more data and are faster than lower-frequency waves but can be blocked or obstructed easily.

Statement 3 is correct. Lower-frequency waves can provide wider coverage.

For example, for mobile technology in India, 2G services use the 900 MHz and 1800 MHz bands, 3G uses 900 MHz and 2100 MHz, 4G uses 850 MHz, 1800 MHz, 2300 MHz, and 2500 MHz, and 5G uses 3.5MHz and 700 MHz bands.

Q.5) Which of the following was the outcome of 1917 Russian Revolution?

- a) It led to the rise of soviets (workers' groups).
- b) It led to the introduction of the New Economic Policy.
- c) It resulted into October manifesto, which transformed Russia from autocracy into a constitutional monarchy.
- d) It overthrew the imperial government and placed the Bolsheviks in power

Ans) d

Russian Revolution, also called Russian Revolution of 1917, two revolutions in 1917, the first of which, in February (March, New Style), overthrew the imperial government and the second of which, in October (November), placed the Bolsheviks in power.

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Q.6) Which of the following is/are correct about Dairy Sector?

1. India is ranked 1st in milk production contributing 23% of global milk production.
2. Gujarat is the highest milk-producing state in India.
3. India is ranked 2nd in milk exports.

Select the correct answer using the codes given below;

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

Answer: A

Statement 1 is correct: India is ranked 1st in milk production contributing 23% of global milk production.

Statement 2 is incorrect: Uttar Pradesh is the highest milk-producing state in India contributing around 18% to the total milk production followed by Rajasthan, Andhra Pradesh, Gujarat and Punjab.

Statement 3 is incorrect: India is yet to join the ranks of major milk exporting nations as much of what we produce is directed towards meeting domestic demands.

Source: [Indian Express](#)

Q.7) With reference to Rare Earth Elements (REEs), consider the following statements

1. It comprises 15 lanthanides elements and yttrium alone.
2. China is one of the leading producers of REEs with an estimated 70% share of the global production.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: Rare earth elements (REEs) are a group of seventeen chemically similar metallic elements on the periodic table. It comprises 15 lanthanides elements (lanthanum to lutetium), plus scandium and yttrium. REEs are classified as light RE elements (LREE) and heavy RE elements (HREE).

Statement 2 is correct: There is a dependence on countries such as China for heavy RE elements (HREEs). This is because China is one of the leading producers of REEs with an estimated 70% share of global production.

Source: [Indian Express](#)

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Q.8) Consider the following pairs,

- | | | |
|--------------------------|---|--|
| Tribal Freedom Fighters | - | Associated event/title |
| 1. Tantiya Bhil | - | Robin Hood of the Central Provinces |
| 2. Major Paona Brajabasi | - | Swatantra Sainani |
| 3. Helen Lepcha | - | Helped Netaji Subhas Chandra Bose escape from house arrest |
| 4. Pulimaya Devi Podar | - | Hero of the Anglo-Manipur war |

How many pairs given above are correctly matched?

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

Answer: B

- | | | |
|--------------------------|---|--|
| Tribal Freedom Fighters | - | Associated event/title |
| 1. Tantiya Bhil | - | Robin Hood of the Central Provinces |
| 2. Major Paona Brajabasi | - | Hero of the Anglo-Manipur war |
| 3. Helen Lepcha | - | Helped Netaji Subhas Chandra Bose escape from house arrest |
| 4. Pulimaya Devi Podar | - | Swatantra Sainani |

Source: [PIB](#)

Q.9) With reference to Hasdeo Aranya region, consider the following statements;

- 1. It lies in the catchment area of the Hasdeo river in Chhattisgarh.
- 2. The Hasdeo river is a tributary of the Godavari River.

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 Hasdeo Aranya (Aranya means forest) lies in the catchment area of the Hasdeo river in North-Central Chhattisgarh.

Statement 2 is incorrect: The Hasdeo river is a tributary of the Mahanadi river which originates in Chhattisgarh and flows through Odisha into the Bay of Bengal.

Source: [The Hindu](#)

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

Q.10) With reference to Mineral Security Partnership(MSP), consider the following statements;

1. It is a Chinese-led partnership to secure supply chains of coal and gold.
2. It aims to catalyze investment from governments and the private sector to develop strategic opportunities.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is incorrect: It is a US-led partnership to secure supply chains of critical minerals, aimed at reducing dependency on China.

Statement 2 is correct: It aims to catalyze investment from governments and the private sector to develop strategic opportunities.

Source: [Indian Express](#)

PRELIMS

Q.1) Consider the following statements regarding Indian Women's Press Corps (IWPC):

- 1) IWPC is an organisation to assist women journalists
- 2) It is registered under the Indian Societies Registration Act, 1860

Select the correct answer using the codes given below:

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

Ans) c

Explanation)

Statement 1 is correct. Indian Women's Press Corps (IWPC) is India's first association of women journalists. It is a registered Society, provides a forum for women journalists to network, access news sources, enhance their skill, exchange information, discuss issues, voice concerns, interact with peers and seniors, share experiences and find support to move ahead in the profession

Statement 2 is correct. It was incorporated on January 20, 1994 and formally launched on October 5, 1994. It is registered under the Indian Societies Registration Act, 1860.

[Base article](#)

Q. 2) Consider the following statements regarding Commonwealth of Nations

- 1) Any country can apply to be a member of the Commonwealth.
- 2) All countries that were former British colonies, are members of commonwealth.

Select the correct answer using the codes given below:

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

Ans) a

Explanation)

Statement 1 is correct. Any country can apply to be a member of the Commonwealth, regardless of its intersection with Britain's colonial past. Rwanda and Mozambique became members in 2009 and 1995 respectively, and neither were colonised by the British.

Statement 2 is incorrect. Not all the countries that were former British colonies, are members of commonwealth. Some countries like Myanmar never applied for the membership.

Q.3) Which of the following are the correct nationally determined commitment of India?

- 1) India will now reduce its emission intensity by at least 45% from 2005 levels by 2030.
- 2) At least 50% of India's total electricity generation, would come from renewable sources by 2030.

Select the correct answer using the codes given below:

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

Ans) c

Explanation)

Statement 1 and 2 are correct. Only two of these targets have been made official and put in the updated NDC. These are:

- India will now reduce its emission intensity by at least 45%, instead of just 33 to 35%, from 2005 levels by 2030.
- It would also ensure that at least 50% of its total electricity generation, not just 40%, would come from renewable sources by 2030.

[Base Article](#)

Q.4) Consider the following statements regarding smallpox and monkey pox?

- 1) Both smallpox and monkey pox diseases are caused by Orthopoxvirus.
- 2) Both diseases spread by person to person transmission.

Select the correct answer using the codes given below:

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

Ans) c

Statement 1 is correct. Smallpox is caused by variola virus, genus *Orthopoxvirus*. Other members of this genus that can infect humans are vaccinia virus, monkeypox virus, and cowpox virus. In 1980, the World Health Organization officially declared the worldwide eradication of smallpox.

Statement 2 is correct. Smallpox spread from person to person is principally respiratory; contact with infectious skin lesions or scabs is an uncommon mode of transmission. After zoonotic transmission, monkeypox spread from person to person is principally respiratory; contact with infectious skin lesions or scabs is another, albeit less common, means of person-to-person spread.

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Q.4) With reference to Hippopotamus, consider the following statements;

1. They live along the salty waters throughout South Asia.
2. Hippos seek refuge from the heat by living in water during the day, and at night they come ashore to feed on short, soft grasses and fallen fruit.

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: Hippopotamus is also known as the river horse. They live along the rivers and lakes throughout sub-Saharan Africa.

It is one of only two extant species in the family Hippopotamidae, the other being the pygmy hippo which lives in forested areas in very few countries across west Africa.

Statement 2 is correct: Hippos seek refuge from the heat by living in water during the day, and at night they come ashore to feed on short, soft grasses and fallen fruit.

Source: [Indian Express](#)

Q.5) With reference to Taiwan, consider the following statements;

1. China has an annual trade deficit of around \$80 billion with Taiwan.
2. Taiwan is not a member of WTO (World Trade Organization) and Asia-Pacific Economic Corporation (APEC).

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: China is Taiwan's largest trading partner, and China has an annual trade deficit of around \$80 billion to \$130 billion with Taiwan. China is dependent on the semiconductors produced in Taiwan in a big way.

Statement 2 is incorrect: Taiwan is a member of WTO (World Trade Organization) and Asia-Pacific Economic Corporation (APEC) under the name of "Chinese Taipei". However, Taiwan is not a member of the UN (United Nations) and WHO (World Health Organization). However, Taiwan is not a member of the UN (United Nations) and WHO (World Health Organization).

Source: [The Hindu](#)

Q.6) 'Badhe Chalo' Movement which was seen in news is explained in which of the following statements?

- a) It is a farmer's movement similar to the Delhi Chalo Movement.
- b) It is a government movement to promote sports among youth.
- c) It is a movement of tribal people that aims to increase their financial and administrative powers in Tribal areas.
- d) It is a movement that aims to connect with the youth of the nation and to instil a deeper sense of patriotism among them.

Answer: D

The '**Badhe Chalo' Movement** is organized by **the** Ministry of Culture under 'Azadi ka Amrit Mahotsav'

It aims to connect with the youth of the nation and to instil a deeper sense of patriotism among them.

The movement will feature **Flash Dances** happening across 75 cities where dancers will perform on a specially created '**Youth Anthem**'.

Source: [PIB](#)

Q.7) Which of the following is/are the benefits associated with the Online Dispute Resolution(ODR)?

1. It can be tailor-made for the specific use case keeping the participants in mind.
2. The ODR will help mitigate litigation risk and provide valuable insights into problems faced by consumers.
3. The ODR can facilitate an enhanced user experience.

Select the correct answer using the codes given below;

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

Answer: D

The advantage of ODR include, **1)** The ODR is not restricted to the use of legal mechanisms such as mediation, conciliation and arbitration in an online environment but can be tailor-made for the specific use case keeping the participants in mind, **2)** The ODR can not only digitise the entire value chain but can also facilitate an enhanced user experience, **3)** The ODR will help mitigate litigation risk and provide valuable insights into problems faced by consumers, **4)** Consumers are provided with another choice for effective redress of their grievances, thereby building trust, confidence and brand loyalty.

Source: [The Hindu](#)

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Q.8) Consider the following statements,

1. He was a Jain poet, philosopher, scholar and reformer.
2. He wrote a large number of philosophical poems including Atma Siddhi.
3. He is best known for his teachings and his spiritual guidance to Mahatma Gandhi.

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

- a. Shrimad Rajchandra
- b. Siddharaja
- c. Haribhadra Suri
- d. Sarvajna Hemachandra

Answer: A

Source: [AIR](#)

Q.9) With reference to Carbon Markets, consider the following statements;

1. Carbon markets allow the trade of carbon credits with the overall objective of bringing down emissions.
2. Carbon markets will work only at the international level.

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: Carbon markets allow the trade of carbon credits with the overall objective of bringing down emissions. These markets create incentives to reduce emissions or improve energy efficiency.

Statement 2 is incorrect: They exist at national level also. For example,

Europe: There is an emission trading scheme (ETS) in Europe. Under this, industrial units in Europe have prescribed emission standards to adhere to and they buy and sell credits based on their performance.

India: There is a scheme called [PAT\(or perform, achieve and trade\)](#). It allows units to earn efficiency certificates if they outperform the prescribed efficiency standards. The laggards can buy these certificates to continue operating.

Source: [Indian Express](#)

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Q.10) With reference to Member of Parliament (MPs) privileges on arrests, consider the following statements;

1. A MP can claim special status higher than that of an ordinary citizen on criminal matters.
2. A MP cannot be arrested in a civil case 40 days before the commencement of the session or committee meeting and 40 days thereafter.

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: In criminal matters, members of Parliament are not on a different footing than a common citizen. That means members of Parliament do not enjoy any immunity from being arrested in a criminal case during the session or otherwise.

Statement 2 is correct: A member of Parliament cannot be arrested in a civil case 40 days before the commencement of the session or committee meeting and 40 days thereafter. This privilege is already incorporated under Section 135A of the Civil Procedure Code, 1908.

Source: [The Hindu](#)