

10 PM Current Affairs Quiz Compilation

5th to 10th September, 2022

PRELIMS

Q.1) With reference to 'Dark Sky Reserve' seen in the news recently consider the following statement:

1. It is an area that allows for artificial light interference.
2. The purpose of the dark sky reserve is to promote astronomy.

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

Explanation –

Statement 1: The statement is incorrect. Dark Sky Reserve is an area that restricts artificial light interference.

Statement 2: The purpose of the dark-sky reserve is to promote [astronomy](#).

Source:<https://www.thehindu.com/sci-tech/science/india-to-have-first-astronomy-dark-reserve-in-ladakh/article65849890.ece>

Q.2) With reference to QUAD consider the following statements:

1. Indonesia is one of the members of QUAD.
2. Its purpose is to keep the strategic sea routes in the Indo-Pacific free of any military or political influence.

Select the correct statements using the code given below:

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

Answer: B

Explanation –

Statement 1: The statement is incorrect. 'Quadrilateral Security Dialogue' (QSD), the Quad is an informal strategic forum comprising four nations, namely -- United States of America (USA), India, Australia and Japan.

Statement 2: The motive behind the Quad is to keep the strategic sea routes in the Indo-Pacific free of any military or political influence. It is basically seen as a strategic grouping to reduce Chinese domination. The core objective of the Quad is to secure a rules-based global order, freedom of navigation and a liberal trading system. The coalition also aims to offer alternative debt financing for nations in the Indo-Pacific region.

Source:<https://www.thehindu.com/news/national/india-to-host-quad-senior-officials-meeting-on-september-5-and-6/article65841897.ece>

Q.3) With reference to The International Atomic Energy Agency (IAEA) consider the following statements:

1. It is an international center for nuclear cooperation and peaceful nuclear technology.
2. It is an independent international organization that reports annually to the UN General Assembly.
3. It's headquarter is located in New York.

Which of the statements given above are correct?

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

Answer: A

Explanation –

The International Atomic Energy Agency (IAEA) is an international organization that seeks to promote the peaceful use of nuclear energy, and to inhibit its use for any military purpose, including nuclear weapons. The IAEA was established as an autonomous organization on 29 July 1957. It is an independent international organization that reports annually to the UN General Assembly. When necessary, the IAEA will report to the UN Security Council in regards to instances of members' noncompliance of safeguard and security obligations. The IAEA Secretariat is headquartered in Vienna, Austria.

Source: <https://www.thehindu.com/news/international/explained-what-is-the-iaea-the-agency-seeking-permanent-presence-at-ukraines-zaporizhzhia-nuclear-plant/article65840907.ece>

Q.4) 'Cormorant' is a –

- a) Frog
- b) Fish
- c) Bird
- d) Snake

Answer: C

Explanation –

The great cormorant also known as the black shag in New Zealand, also known as the great black cormorant across the Northern Hemisphere, the black cormorant in Australia, and the large cormorant in India, is a widespread member of the cormorant family of seabirds. Its IUCN status is Least Concern (LC) and it lies in the Schedule IV of the Wildlife Protection Act, 1972.

Source; <https://www.thehindu.com/news/national/kerala/environmentalists-seek-wider-action-for-killing-of-cormorant-nestlings-in-malappuram/article65845601.ece>

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

1. These crops are more sensitive to soil deficiencies and cannot grow in an inferior alluvial or loamy soil.
2. In India, coarse cereals are mainly grown in poor agro-climatic regions, particularly rainfed areas of the country.
3. Maize and millets are the most grown coarse cereals in India.

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: B

Statement 1 is incorrect: These crops are also less sensitive to soil deficiencies and can be grown in an inferior alluvial or loamy soil.

Statement 2 is correct: In India, coarse cereals are mainly grown in poor agro-climatic regions, particularly rainfed areas of the country.

Statement 3 is correct: Maize and millets are the most grown coarse cereals in India.

Source: [DTE](#)

Q.6) Operation Polo which was seen in news recently, is related to which of the following?

- a) India's Kargil war operation
- b) India's operation to recapture Siachen glacier
- c) India's operation to liberate Bangladesh
- d) India's operation to annex Hyderabad

Answer: D

The state of Hyderabad was under the Nizam which included the whole of current-day Telangana, the Marathwada region in Maharashtra and several regions of Karnataka.

The Nizam of Hyderabad hoped to retain his sovereignty and opposed the idea of merging with India after Independence. Osman Ali Khan Asaf Jah VII, the last Nizam of the princely state of Hyderabad proclaimed Hyderabad as a sovereign state and this added to the tension and led to communal clashes.

The Indian government did not want Hyderabad to remain free fearing that it would lead to the country's balkanization.

The then Home Minister Sardar Patel referred to the concept of an independent Hyderabad as "an ulcer in the heart of India which needed to be removed surgically."

Hence, India decided to annex Hyderabad and named the operation "**Operation Polo**". On September 13, 1948, Indian forces attacked Hyderabad. In a five-day battle, the Indian Army took Hyderabad and fully integrated it into Indian territory by decisively defeating Nizam.

Source: [PIB](#)

Q.7) Consider the following statements;

1. He was the Eastern Chalukya king of the Vengi kingdom.
2. He established the city Rajamahendravaram on the banks of the Godavari during his reign.
3. Based on his request, his court poet Nannayya started transcribing Mahabharata into Telugu language.

Which of the below personalities is mentioned in the statements above?

- a) Pulakesin I
- b) Kirtivarman II
- c) Rajaraja Narendra
- d) Mangalesha

Answer: C

Source: [The Hindu](#)

Q.8) Which of the following is/are the benefits of Liquid Nano Urea over conventional urea?

1. Liquid urea reduces the subsidy burden of government.
2. Nano Urea has a higher concentration of Nitrogen than the conventional urea.
3. Liquid nano urea has a higher shelf life than conventional urea.

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

Statements 1 and 3 are correct.

The advantages of Nano urea over conventional urea are,

Higher Efficiency: While conventional urea has an efficiency of about 25%, the efficiency of liquid nano urea can be as high as 85-90%.

Gets Directly absorbed by plant: Conventional urea fails to have the desired impact on crops as it is often applied incorrectly and the nitrogen in it is vaporized or lost as a gas. On the other hand, liquid nano urea is sprayed directly on the leaves and gets absorbed by the plant.

Higher Shelf Life: Liquid nano urea has a shelf life of a year and farmers need not be worried about “caking” when it comes in contact with moisture.

No Burden of Urea Subsidy: Liquid nano urea produced by IFFCO comes in a half-litre bottle priced at Rs 240, and carries no burden of subsidy currently. By contrast, a farmer pays around Rs 300 for a 50-kg bag of heavily subsidized urea.

However, Chemically packaged urea is 46% nitrogen which means a 45 kg sack contains about 20 kg of nitrogen. Contrastingly, Nano Urea sold in 500 ml bottles has only 4% nitrogen (or around 20 gm).

Source: [The Hindu](#)

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

Q.9) With reference to Shumang Leela, consider the following statements;

1. The roles of female artists are all played by male actors and male characters are played by female artists.
2. Shumang Leela is a traditional form of theatre in Assam.

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 roles of female artists are all played by male actors and male characters are played by female artists.

Statement 2 is incorrect: Shumang Leela is a traditional form of theatre in Manipur.

Source: [AIR](#)

Q.10) With reference to Inflatable Aerodynamic Decelerator(IAD), consider the following statements;

1. It is a technique used to decelerate an object plunging down through the atmosphere.
2. IAD will help during the launching phase of the rockets.

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: It is a technique used to decelerate an object plunging down through the atmosphere.

Statement 2 is incorrect: IAD will help during the landing phase of the rockets. The IAD will help ISRO in performing many space tasks effectively including recovery of spent stages of rockets, for landing payloads on missions to other planetary bodies.

Source: [The Hindu](#)

PRELIMS

Q.1) With reference to Arya Samaj consider the following statements:

1. It was founded by Dayanand Saraswati.
2. It supported Varna system based on birth.
3. It opposed polygamy and idol worship.

Select the correct statement using the code given below:

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

Answer: C

Explanation –

Arya Samaj is a monotheistic Indian Hindu reform movement that promotes values and practices based on the belief in the infallible authority of the Vedas. The samaj was founded by Dayanand Saraswati on 7 April 1875.

Main principles and objectives of the Arya Samaj are as follows:

It opposed the idol worship and reincarnation theory of God but accepted doctrine of Karma and transmigration of soul.

It believed that post-vedic texts such as Puranas were responsible for pollution of Vedic religion.

It supported Varna system but the Varna system should be based on merit and not birth.

It advocated widow remarriage, female education and opposed polygamy, child marriage, Sati, etc.

Source: <https://www.thehindu.com/news/national/other-states/arya-samaj-certificates-cannot-be-proof-of-marriage-allahabad-hc/article65853474.ece>

Q.2) With reference to United Nation Human Rights Council (UNHRC) consider the following statement:

1. It is a United Nations body whose mission is to promote and protect human rights around the world.
2. The members of Council serve for a period of three years and they are not eligible for immediate re-election after serving two consecutive terms.

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

Explanation –

The United Nations Human Rights Council (UNHRC) is a United Nations body whose mission is to promote and protect human rights around the world.

The Council has 47 members elected for staggered three-year terms on a regional group basis.

The headquarters of the Council are at the United Nations Office at Geneva in Switzerland.

The Council was established by the United Nations General Assembly on 15 March 2006 to replace the United Nations Commission on Human Rights (UNCHR).

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

The members of Council serve for a period of three years and they are not eligible for immediate re-election after serving two consecutive terms.

Source: <https://www.thehindu.com/news/national/unhcr-rushes-aid-to-pakistan-amid-raging-floods-in-south/article65853517.ece>

Q.3) With reference to monsoon system, a 'shear zone' is –

- A monsoon weather feature that an area is filled with opposing winds concentrating heavy rain in that zone.
- A point where monsoon tends to break with low rainfall.
- A monsoon weather feature in which there will be low rainfall with high winds.
- A feature of monsoon in which there are scattered clouds with little sunlight.

Answer: A

Explanation – A shear zone is a monsoon weather feature that is an area filled with opposing winds concentrating heavy rain in that zone.

Source: <https://www.indiatoday.in/science/story/bengaluru-flooded-why-is-it-raining-so-heavily-in-karnataka-1996689-2022-09-05>

Q.4) With reference to preventive detention consider the following statements:

- The Constitution of India provides that the time period of preventive detention cannot exceed beyond one month unless an advisory board provides sufficient reason for the extension.
- The person should be informed of the reasons for his or her detention.

Which of the statements given above is/are correct?

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

Answer: B

Explanation – Article 22 of the Indian Constitution protects people who are arrested or detained. Article 22 (4) states that no law providing for preventive detention shall authorise the detention of a person for a longer period than three months unless:

- An Advisory Board reports sufficient cause for extended detention.
- Such a person is detained in accordance with the provisions of any law made by the Parliament.

The person should be given the opportunity to appeal against the detention order and he or she should be informed of the reason for detention.

Source: <https://www.thehindu.com/news/cities/Delhi/preventive-detentions-in-2021-up-by-237-compared-to-year-before/article65853863.ece#:~:text=Preventive%20detentions%20in%202021%20saw,Crime%20Records%20Bureau%20last%20month>

Q.5) Which of the following is/are the applications of seat belts?

1. Slowing the occupant at the same rate as the vehicle.
2. Distributing the physical force in a crash across the stronger parts of the body.
3. Preventing collisions with objects within the vehicle.

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 seat belt performs many functions, notably slowing the occupant at the same rate as the vehicle, distributing the physical force in a crash across the stronger parts of the body such as the pelvis and chest, and preventing collisions with objects within the vehicle and sudden ejection.

Source: [The Hindu](#)

Q.6) BPaL was seen in news recently. It is related to which of the following?

- a) It is a newly developed communication satellite of China.
- b) It is an all-oral three-drug regimen that is used to treat drug-resistant TB.
- c) It is a new strategy to recapture Ukraine's lost places in Russia-Ukraine crisis.
- d) It is a newly found vaccine to treat Lumpy Skin Disease(LSD) virus.

Answer: B

BPaL is a 6-month, all-oral, three-drug regimen that is used to treat people with highly drug-resistant forms of TB. BPaL is a combination of three newer antibiotics, namely bedaquiline, pretomanid and linezolid.

BPaL will drastically cut short the treatment duration by half (and more) and reduce the amount of medication an MDR-TB patient must take during treatment. Hence, from a treatment duration of 18 to 24 months, the BPaL is likely to bring down treatment time to around six months.

Source: [Indian Express](#)

Q.7) With reference to seat belts, consider the following statements;

1. Rear seat belts are not mandatory under the Central Motor Vehicle Rules.
2. Non-use of seat belts and Non deployment of airbags results in majority of car accident-related deaths 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: B

Statement 1 is incorrect: Both front and rear seat belts have been mandatory under the Central Motor Vehicle Rules. A study in 2019 across 11 cities revealed that only 7% of respondents said they used rear seat belts and only 27% were aware that their use was mandatory.

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

Statement 2 is correct: The road and highways ministry's road accidents report for 2020 reveals that 15,100 drivers and passengers were killed due to the non-use of seat belts. Almost 17,800 travellers in four-wheelers were killed that year. Hence, the majority of these deaths of drivers and passengers could have been prevented had seat belts and airbags been deployed.

Source: [The Hindu](#)

Q.8) Which of the following statement is not correct regarding Liquefied Natural Gas (LNG)?

- a) LNG has a higher energy density in comparison to crude oil.
- b) LNG reduces nitrogen oxide emissions.
- c) The liquefaction process uses less energy and does not produce any greenhouse gases.
- d) LNG generates 30% less carbon dioxide than fuel oil and 45% less than coal.

Answer: C

The liquefaction process uses tremendous amounts of energy which directly or indirectly emits a lot of greenhouse gases.

Source: [Business Standard](#)

Q.9) With reference to Dark Sky Reserve, consider the following statements;

- 1. It can be a public or private land possessing an exceptional or distinguished quality of starry nights and nocturnal environment.
- 2. These sites are designated by the National Aeronautics and Space Administration.

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 can be a public or private land possessing an exceptional or distinguished quality of starry nights and nocturnal environment.

Statement 2 is incorrect: The International Dark Sky Association is a U.S.-based non-profit that designates places as International Dark Sky Places, Parks, Sanctuaries and Reserves depending on the criteria they meet.

Source: [Indian Express](#)

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

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

1. It means attachment of a farmer's land, already pledged to the money lending institution or individual, in case of loan default.
2. The kurki is not considered as a valid document under Civil Procedure Code.

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: It means attachment of a farmer's land, already pledged to the money lending institution or individual, in case of loan default.

Statement 2 is incorrect: Kurki orders are executed under Section 60 of the Civil Procedure Code, 1908. The land which is pledged by the farmer to the bank or moneylender gets registered in their name. In some cases, the land is auctioned as well.

Source:

[The Hindu](#)

PRELIMS

Q.1) With reference to 'Zero FIR' consider the following statements:

1. It is an FIR that is registered irrespective of the area where the offence is committed and the police can no longer claim that they have no jurisdiction over the case.
2. Recently the zero fir was registered for the first time.

Select the correct statements using the code given below:

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

Answer: A

Explanation –

Statement 1: Zero FIR is an FIR that is registered irrespective of the area where the offence is committed and the police can no longer claim that they have no jurisdiction over the case.

Statement 2: The statement is incorrect. Zero Fir was introduced on the recommendation of Justice Verma Committee after the gang rape of Nirbhaya in 2012. The FIR puts a legal obligation on the police to begin investigation and take quick action without the excuse of absence of jurisdiction.

Source: <https://www.thehindu.com/news/national/other-states/zero-to-receive-zero-fir-against-ias-officer-filed-by-bjp-mp-deogarh-sp/article65858016.ece>

Q.2) With reference to ancient history consider the following statements:

1. Mohenjo daro is located on the bank of river Ravi.
2. There were no temples in Mohenjo Daro.
3. The Great Bath and Granary were important constructions founded in Mohenjo Daro.

Which of the statements given above are correct?

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

Answer: B

Explanation –

Mohenjo Daro:

It was one of the most important Harappan cities.

It is located in Sindh, Pakistan, next to the Indus River.

There are no big palaces, temples, or monuments in the city.

The most famous building found at Mohenjo-Daro is a great bath. The water for the bath was provided from a well in an adjacent room. The floor was made up of bricks. Floor and outer walls were bituminized so that there is no leakage of water.

A granary has been found which the largest building of the Mohenjo-Daro. This granary is divided into 27 rooms of different size and shape.

Source: <https://indianexpress.com/article/explained/explained-global/explained-pakistan-floods-imperiled-mahenjo-daros-world-heritage-tag-8132814/>

Q.3) With reference to Kushiyara River consider the following statements:

1. It is a trans-boundary river of India.
2. It is one of the branches of Barak River.
3. It flows through Manipur and Mizoram.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Kushiyara River is the trans-boundary river of India. It is a distributary river in Bangladesh and Assam, India. It forms on the India-Bangladesh border as a branch of the Barak River, when the Barak separates into the Kushiyara and Surma. The waters of the Kushiyara thus originate in the state of Nagaland in India and pick up tributaries from Manipur, Mizoram and Assam.

The waters of the Kushiyara originate in the state of Nagaland in India and pick up tributaries from Manipur, Mizoram and Assam.

Kushiyara flows westward forming the boundary between Assam, India, and the Sylhet District of Bangladesh

Source: <https://indianexpress.com/article/india/sheikh-hasina-india-visit-delhi-dhaka-sign-river-pact-first-in-25-years-8135250/>

Q.4) With reference to current account deficit consider the following statements:

1. A higher current account deficit means that India is importing more than exporting.
2. A higher current account deficit means that the demand of foreign currency is more than the demand of the Indian rupee.

Select the correct statement using the code given below:

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

Answer: C

Explanation –

A higher CAD or a deficit on the current account means that India imports more goods and services than it exports which means that the demand for the foreign currency is more than the demand for the Indian rupee.

Source: <https://timesofindia.indiatimes.com/business/india-business/indias-overall-forex-reserves-to-shrink-further-this-year-report/articleshow/94047585.cms>

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

Q.5) Warsaw International Mechanism (WIM) which was seen in news, is related to which of the following statement?

- a) It is a mechanism in which nuclear powered countries aim to reduce nuclear weapons.
- b) It is a global mechanism to tackle the menace of organized crime.
- c) It is a mechanism to compensate developing countries struck by climate disasters.
- d) It is a new mechanism to resolve maritime disputes.

Answer: C

Warsaw International Mechanism (WIM): The WIM for Loss and Damages, was set up in 2013. It was the first formal acknowledgement of the need to compensate developing countries struck by climate disasters.

– However, the progress on this front has been painfully slow. No funding mechanism, or even a promise to provide funds, has come about.

Source: [Indian Express](#)

Q.6) Which of the following statements is/are correct about climate reparations?

- 1. It is a framework where those most responsible nation for climate change provide support to those countries which face climate related threats.
- 2. The demand for climate reparations is an extension of the universally acknowledged “Polluter Pays” principle.
- 3. Under this, the polluter is liable for paying only the cost for remedial action.

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

Statements 1 and 2 are correct: Climate reparations are about rectifying climate injustice. It is a framework where those most responsible for climate change must provide support to those who have been wronged.

This demand for climate reparations is an extension of the universally acknowledged “Polluter Pays” principle.

Statement 3 is incorrect: Under this, the polluter liable for paying not just for the cost of remedial action, but also for compensating the victims of environmental damage caused by their actions.

Source: [Indian Express](#)

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

Q.7) With reference to Martand Temple, consider the following statements;

1. It was built by the Karkota dynasty king Lalitaditya Muktapida.
2. The temple is built in a Maratha style and has a definite Mathura influence.
3. The temple is dedicated to Vishnu-Surya.

Which of the statements given above is/are correct?

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

Answer: B

Statement 1 is correct: The Martand Temple was built by the Karkota dynasty king Lalitaditya Muktapida, who ruled Kashmir from 725 AD to 753 AD.

Statement 2 is incorrect: The temple is built in a unique Kashmiri style, though it has definite Gandhar influences.

Statement 3 is correct: The temple is dedicated to Vishnu-Surya. It has three distinct chambers—the mandapa, the garbhagriha, and the antralaya—probably the only three-chambered temple in Kashmir.

Source: [Indian Express](#)

Q.8) Consider the following statements;

1. He established many institutions like Swadeshi Prachar Sabha, Dharmasanga Nesavu Salai, National Godown, etc.
2. Even prior to Gandhiji's Champaran Satyagraha (1917), He took up the cause of the working class in Tamil Nadu.
3. His literary works include Meyyaram, Thirukural with literary notes of Manakudavar.

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

- a) Lala Lajpat Rai
- b) Vallinayagam Olganathan Chidambaram Pillai
- c) Alluri Seetharamaraju
- d) Kumbakonam Balamani

Answer: B

Source: [The Hindu](#)

Q.9) With reference to Lokpal and Lokayuktas, consider the following statements;

1. These institutions have constitutional status.
2. They perform the function of an "ombudsman" and inquire into allegations of corruption against certain public functionaries.

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: These institutions are statutory bodies without any constitutional status.

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

Statement 2 is correct: They perform the function of an "ombudsman" and inquire into allegations of corruption against certain public functionaries and for related matters.

Source: [The Hindu](#)

Q.10) With reference to I-STEM (Indian Science Technology and Engineering facilities Map) portal, consider the following statements;

1. It is a National Web portal for sharing R&D (Research and Development) facilities.
2. It is an initiative of Department of Science and Technology.

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 National Web portal for sharing R&D (Research and Development) facilities.

Statement 2 is incorrect: The Portal is an initiative of the Office of the Principal Scientific Adviser to the Government of India under the aegis of Prime Minister Science, Technology and Innovation Advisory Council (PM-STIAC) mission.

Source: [PIB](#)

PRELIMS

Q.1) With reference to 'Ni-kshay Mitras portal' consider the following statements:

1. It focuses on community support for better treatment and care for TB patients.
2. It provides a platform for donors to provide various forms of support to those undergoing TB treatment.
3. The portal has developed through a public-private partnership.

Which of the statements given above are correct?

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

Answer: D

Explanation -

The Nikshay Mitra is portal that enables people to adopt tuberculosis patients and take care of their nutritional and medical requirements, aims to combat the stigma associated with the disease.

Anyone in India can register on a digital portal and it government has developed through a public-private partnership.

The goal is to reduce stigma around TB diseases, which can only be accomplished with community support, better care, and adoption of TB patients.

It provides a platform for donors to provide various forms of support to those undergoing TB treatment.

The three supports includes nutritional, additional diagnostic, and vocational support.

The donors, called Ni-kshay Mitras, could be a wide range of stakeholders from elected representatives, political parties, to corporates, NGOs, and individuals.

Source: <https://www.thehindu.com/news/national/president-droupadi-murmu-to-launch-tb-mukt-bharat-abhiyaan-on-september-9/article65862038.ece>

Q.2) With reference to PM Gati Shakti scheme consider the followings statements:

1. It is a multi-modal connectivity plan with the goal of coordinating infrastructure project planning and execution to reduce logistics costs.
2. The scheme does not cover infrastructure projects of the states.
3. National Infrastructure Pipeline will be incorporated in this scheme.

Which of the statements given above are correct?

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

Answer: C

Explanation -

Statement 1: PM Gati Shakti scheme is a multi-modal connectivity plan with the goal of coordinating infrastructure project planning and execution to reduce logistics costs.

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

Statement 2: The statement is incorrect. The scheme will integrate infrastructure schemes from various Ministries and State Governments such as Bharatmala, Sagarmala, inland waterways, etc.

Statement 3: The scheme will incorporate the Rs 110 lakh crore National Infrastructure Pipeline, which was announced in 2019.

Source: <https://www.thehindu.com/news/national/cabinet-approves-policy-on-long-term-leasing-of-railway-land-for-pm-gati-shakti-programme/article65861378.ece>

Q.3) With reference to PM-KISAN consider the following statements:

1. Its aim is to provide income support to all land holding eligible farmer families.
2. The scheme is being implemented by Ministry of Chemical and Fertilizers.

Select the correct statement using the code given below:

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

Answer: A

Explanation –

Statement 1: The aim of the PM-KISAN scheme is to income support to all land holding eligible farmer families. The scheme aims to supplement the financial needs of the farmers in procuring various inputs to ensure proper crop health and appropriate yields, commensurate with the anticipated farm income.

Statement 2: The statement is incorrect. The scheme is being implemented by Ministry of Agriculture and Farmers Welfare.

Source: <https://www.dnaindia.com/business/report-pm-kisan-samman-nidhi-yojana-12th-installment-may-be-delayed-here-s-why-2983055>

Q.4) With reference to Quick Reaction Surface to Air Missile (QRSAM) consider the following statements:

1. It is long range surface to air missile developed by ISRO.
2. It can operate on the move with search and track capability and fire on short halt.

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

Explanation –

Statement 1: The statement is incorrect. It is a short range surface to air missile system developed by DRDO.

Statement 2: QRSAM can operate on the move with search and track capability and fire on short halt.

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

Source: <https://www.thehindu.com/news/national/india-successfully-test-fires-quick-reaction-surface-to-air-missile/article65865375.ece>

Q.5) QIMINGXING 50 was recently seen in news, is related to which of the following?

- a) It is a new North Korean malicious software to target US government computers.
- b) It is a new battery operated car which can run more than 1500 km in a single charge.
- c) It is a China's fully solar-powered, semi-satellite drone.
- d) It is a new missile developed by Japan to cover entire China within its range.

Answer: C

QIMINGXING 50 or Morning Star-50 is China's fully solar-powered, semi-satellite drone.

Purpose: It is capable of conducting high-altitude reconnaissance, apart from monitoring forest fires, and providing communication and environment relay.

Features: This drone is powered entirely by solar panels. It can stay airborne for long durations.

Source: [Indian Express](#)

Q.6) Eastern Economic Forum(EEF) is an initiative of which of the following country?

- a) Japan
- b) Russia
- c) Germany
- d) China

Answer: B

Eastern Economic Forum(EEF) is an international platform for establishing and strengthening ties within the Russian and global investment communities.

The objective is to support the economic development of Russia's Far East and to expand international cooperation in the Asia-Pacific region.

It was established by Decree of the Russian President in 2015. In accordance with the Decree, the meeting of the Forum takes place each year in Vladivostok, Russia.

Source: [AIR](#)

Q.7) With reference to weight and measures, consider the following statements;

- 1. The establishment of standards of weight and measure is included in the Concurrent list.
- 2. Enforcement of laws with respect to weights and measures (legal metrology) is mentioned in the Union List.

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 establishment of standards of weight and measure is included in Union List (entry 50).

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

Statement 2 is incorrect: Enforcement of laws with respect to weights and measures (legal metrology) is mentioned in the Concurrent list (entry 33A).

Source: [The Hindu](#)

Q.8) Which of the following is/are the advantages of Nasal Vaccine?

1. These are non-invasive and needle-free.
2. They does not require trained healthcare workers.
3. They generally ensure high compliance.

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: D

The advantages of nasal vaccines are,

1) Non-invasive and needle-free, **2)** Easy to administer as it does not require trained healthcare workers, **3)** Eliminates needle-associated risks (injuries and infections), **4)** High compliance — ideally suits children and adults.

Source: [PIB](#)

Q.9) With reference to PM SHRI Scheme, consider the following statements;

1. The scheme aims to upgrade and develop all the government schools in the country.
2. Ministry of Education is the nodal ministry for the scheme.

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 scheme aims to upgrade and develop more than 14500 schools across the country as PM SHRI Schools by strengthening select existing schools being managed by Central Government/ State/ UT Government/ local bodies. These schools will also showcase all components of the National Education Policy 2020.

Statement 2 is correct: Ministry of Education is the nodal ministry for the scheme.

Source: [The Hindu](#)

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

Q.10) With reference to sulfur dioxide (SO₂) emissions, consider the following statements;

1. India is the top SO₂ emitter in the world.
2. Flue-gas desulfurization (FGD) is mandatory for all coal-fired power plants in India from 2008.

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: India continues to occupy the top spot among SO₂ emitters. In 2019, India emitted 21% of global anthropogenic (human-made) SO₂ emissions nearly double that of the second-ranked global emitter, Russia.

Statement 2 is incorrect: The Ministry of Power (MoP) has extended the deadline for coal-fired power plants to install Flue Gas Desulphurisation (FGD) to cut sulphur emissions by two years. India had initially set a 2017 deadline for thermal power plants to install FGD units to cut Sulphur emissions.

The deadline was later changed to varying deadlines for different regions, ending in 2022, and further extended last year to a period ending in 2025.

Now, the power plants will be forcibly retired if they do not comply with norms on sulphur emissions by end-2027.

Plants near populous regions and the capital New Delhi will have to pay penalties to operate from end-2024, while utilities in less polluting areas will be penalized after end-2026.

Source: [Indian Express](#)

PRELIMS

Q.1) With reference to Lumpy Skin Disease (LSD) consider the following statements:

1. It is a viral disease that affects cattle.
2. It is transmitted by cattle food.
3. It can lead to significant economic losses.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Lumpy Skin Disease (LSD)

Statement 1 is correct. It is a viral disease that affects cattle.

Statement 2 is incorrect. It is transmitted by blood-feeding insects, such as certain *species* of flies and mosquitoes, or ticks.

Statement 3 is correct. It causes fever, nodules on the skin and can also lead to death, especially in animals that have not previously been exposed to the virus. Control options include vaccinations and culling of infected animals.

Lumpy skin disease can lead to significant economic losses as it leads to loss of milk production.

Source: <https://www.indiatoday.in/india/story/lumpy-virus-curb-immune-belt-uttar-pradesh-government-vaccination-drive-1997978-2022-09-08>

Q.2) With reference to Human Development Index consider the following statements:

1. It is released by United Nations Development Program.
2. National Income is not an indicator included in this index.

Select the correct statement using the code given below:

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

Answer: A

Explanation –

It is released by the United Nations Development Program.

HDI measures average achievement of a country in three basic dimensions of human development. They are – a long and healthy life, education and decent standard of life.

These dimensions are calculated using four indicators - life expectancy at birth, mean years of schooling, expected years of schooling, and the Gross National Income (GNI) per capita.

Source: <https://www.thehindu.com/news/national/india-ranks-132-out-of-191-in-undps-human-development-index/article65866108.ece>

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

Q.3) With reference to Konark Sun Temple consider the following statements:

1. It represents Dravidian style of temple architecture.
2. It has rekha deul which houses the deity.

Select the correct statements using the code given below:

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

Answer: B

Explanation –

Statement 1: The statement is incorrect. The Konark Sun Temple is present in Odhisha and it represents Kalinga or Orissa style of Hindu temple architecture, which is a subset of the Nagara style.

Statement 2: The rekha deul or shikhara houses the deity. Rekha deul is almost vertical roofs which suddenly curved inward sharply.

Source: <https://www.thehindu.com/news/national/other-states/after-a-century-asi-starts-removing-sand-from-konark-sun-temple/article65866675.ece>

Q.4) With reference to coral reefs consider the following statements:

1. They are called rainforest of the ocean.
2. They are the primary source of food in the marine ecosystem.
3. They grow in deep oceanic waters.

Which of the statements given above are correct?

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

Answer: A

Explanation –

Corals are important to marine life because of the following reasons:

- a) The health of the marine ecosystem is dependent on corals.
- b) They support a wide range of ecosystems and hence, are called the
- c) Corals provide a place to live for a huge variety of fish.
- d) Corals are a primary source of food in the marine ecosystem.

The ideal conditions for growing corals are – a) shallow water, b) Clear water, c) semi-hard or hard surface, d) Saline-filled waters, e) warm water

HYPERLINK

["https://www.drishtias.com/images/uploads/1639463612_Coral_Reefs_of_India_1_drishti_IA_S_english.webp"](https://www.drishtias.com/images/uploads/1639463612_Coral_Reefs_of_India_1_drishti_IA_S_english.webp)

Source: <https://www.indiatoday.in/science/story/scientists-warn-of-ice-sheet-collapse-coral-die-off-climate-tipping-points-teetering-on-edge-1998309-2022-09-09>

Q.5) Operation London Bridge, seen in the news recently, is related to which of the following?

- a) It is the accession of King Charles III to the throne.
- b) It is the funeral plan for Queen Elizabeth II.
- c) It is a plan of the UK to demolish London bridge and rebuild it.
- d) It is the first operation carried out in Queen Elizabeth II's tenure.

Answer: B

Queen Elizabeth II's death kicked off Operation London Bridge. It is a detailed plan, put in place in the 1960s, which meticulously lists the procedures that roll out moments after her death and culminate with her funeral 10 days later.

The plan includes the announcement of her death, the period of official mourning, and the details of her state funeral. The plan was first created in the 1960s and revised many times in the years before her death in 2022.

Running concurrently with Operation London Bridge is Operation Spring Tide, which addresses the accession of King Charles III to the throne and his first trip to the countries of the UK.

Source: [Indian Express](#)

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

- 1. Quantum mechanics is a science that describes the unique behavior of matter and energy at the atomic and subatomic level.
- 2. Quantum computers are less prone to interference.

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: Quantum mechanics is a science that describes the unique behavior of matter and energy at the atomic and subatomic level.

Statement 2 is incorrect: quantum computers are highly prone to interference that leads to errors in quantum algorithms running on it. Thus it can give erroneous results. Scientists are working to improve accuracy e.g., Google has announced plans to have fault-tolerant quantum-computing hardware by 2030.

Source: [The Hindu](#)

Q.7) Which of the following statements is not correct about Azad Hind Government?

- a) The Azad Hind Government started functioning from Rangoon, with 40 ministers.
- b) The Azad Hind Government had its own currency, court and civil code.
- c) The provisional capital of the Azad Hind Government was Port Blair, while its capital-in-exile was Rangoon and Singapore.
- d) The provisional government was formed in the Japanese-occupied Andaman and Nicobar Islands.

Answer: A

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

The Azad Hind Government started functioning from Singapore, with 11 ministers and eight representatives from the INA.

Source: [PIB](#)

Q.8) Which of the following Indian cities has been included in UNESCO Global Network of Learning Cities(GNLC)?

1. Warangal
2. Thrissur
3. Kancheepuram
4. Nilambur

Select the correct answer from the codes given below;

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

Answer: C

Warangal from Telangana and Thrissur and Nilambur from Kerala have joined the UNESCO Global Network of Learning Cities (GNLC). These Indian cities became the nation's first entrants in the UNESCO Global Network of Learning Cities.

Thrissur: Popularly known as the cultural capital of Kerala. Thrissur is home to academic and research institutions. It is also known for its jewellery industry, especially gold. The city has been included because of its initiatives focusing on vulnerable groups.

Warangal: It has a rich cultural heritage. The city is a major tourism venue. The city has been included for its good practices such as advocating healthy environments for children and caregivers, free training for the transgender community and self-help groups.

Nilambur: It is an ecotourism destination in Kerala. It is a city with various socio-economic patterns marked by an urban and rural mix. The majority of the population depends on agriculture and allied industries.

Source: [Financial Express](#)

Q.9) With reference to Legionellosis disease, consider the following statements;

1. It is a form of pneumonia spread across North Eastern States of India.
2. Patients with this disease always require antibiotic treatment following diagnosis.

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: Legionellosis is a pneumonia-like illness that varies in severity from mild febrile illness to a serious and sometimes fatal form of pneumonia.

Statement 2 is correct: Treatments exist, but there is no vaccine currently available for Legionnaires' disease. Patients with this disease always require antibiotic treatment following diagnosis.

Source: [DTE](#)

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

Q.10) With reference to India Ideas Summit, consider the following statements;

1. The summit facilitates U.S.-India dialogue on commercial and strategic cooperation.
2. It is organized by India's Ministry of Education.

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 summit has been a trusted platform for the U.S.-India dialogue on commercial and strategic cooperation for over 47 years.

Statement 2 is incorrect: The Summit is organized by US-India Business Council and the US Chamber of Commerce, International Affairs, South Asia.

Source: [PIB](#)

PRELIMS

Q.1) With reference to the National Commission for Scheduled Tribes (NCST), consider the following statements:

1. It is a statutory body.
2. Its duty is to **investigate and monitor all matters relating to the safeguards provided for the STs.**
3. **The commission require to include at least one woman member.**

Which of the statements given above are correct?

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

Answer: B

National Commission for Scheduled Tribes (NCST)

It was set up by amending Article 338 and by inserting a new article 338A in the Constitution through the 89th Constitution Amendment Act, 2003. Hence, it is a constitutional body.

It's one of the duties is to investigate and monitor all matters relating to the safeguards provided for the STs under the Constitution or under any other law for the time being in force or under any order of the Government.

It consists of a Chairperson, a Vice-Chairperson and 3 other Members who are appointed by the President and at least one member should be a woman.

Source: <https://www.drishtiias.com/daily-updates/daily-news-analysis/national-commission-for-scheduled-tribes>

Q.2) Consider the following statement with respect to the Cauvery River:

1. Red soils occupy large areas in the river basin.
2. It rises from a place located in the Western Ghats in Nashik district in the state of Maharashtra.

Select the correct statement using the code given below:

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

Answer: A

Explanation –

Cauvery River (Kaveri River)

The Kaveri (Cauvery) is designated as the ‘Dakshina Ganga’ or ‘the Ganga of the South’.

The Cauvery River rises at an elevation of 1,341 m at Talakaveri on the Brahmagiri range near Cherangala village of Kodagu (Coorg) district of Karnataka.

The Cauvery basin extends over states of Tamil Nadu, Karnataka, Kerala and Union Territory of Puducherry draining an area of 81 thousand Sq.km.

It is bounded by the Western Ghats on the west, by the Eastern Ghats on the east and the south and by the ridges separating it from Krishna basin and Pennar basin on the north.

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

The delta area is the most fertile tract in the basin. The principal soil types found in the basin are black soils, red soils, laterites, alluvial soils, forest soils and mixed soils. Red soils occupy large areas in the basin. Alluvial soils are found in the delta areas.

Source: <https://www.thehindu.com/news/national/tamil-nadu/as-unprecedented-flow-continues-in-cauvery-focus-turns-to-how-much-more-tamil-nadu-will-get/article65870537.ece>

Q.3) With reference to Antimicrobial Resistance (AMR) consider the following statements:

1. It is the resistance acquired by any microorganism against antimicrobial drugs that are used to treat infections.
2. It occurs when there is a high response to medicines from microorganisms.
3. It is recognized as one of the threats to global health.

Which of the statements given above are correct?

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

Answer: C

Explanation –

Antimicrobial Resistance (AMR) is the resistance acquired by any microorganism (bacteria, viruses, fungi, parasite, etc.) against antimicrobial drugs that are used to treat infections. It occurs when a microorganism changes over time and no longer responds to medicines making infections harder to treat and increasing the risk of disease spread, severe illness and death. WHO has identified AMR as one of the top ten threats to global health.

Source: <https://www.thehindu.com/sci-tech/health/sustained-rise-in-antimicrobial-resistance-in-india-icmr-study/article65874196.ece>

Q.4) Consider the following statements with respect to Birsa Munda:

1. He was a tribal freedom fighter from the Munda tribe.
2. He is also known as Dharti Abba.
3. He started Ulgulan movement.

Select the correct statement using the codes given below:

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

Answer: D

Explanation –

Birsa Munda was a folk hero and a tribal freedom fighter hailing from the Munda tribe. He is also known as 'Dharti Abba' or the Earth Father. He was born on 15th November 1875.

He started a movement called 'Ulgulan', or 'The Great Tumult'. His struggle against the exploitation and discrimination against tribals led to a big hit against the British government in

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

the form of the Chotanagpur Tenancy Act being passed in 1908. The act restricted the passing on of land from the tribal people to non-tribals.

Source: <https://www.thehindu.com/news/national/karnataka/contribution-of-tribal-people-to-freedom-movement-has-remained-ignored/article65871086.ece>

Q.5) With reference to Bird flu or avian influenza, consider the following statements;

1. Avian influenza so far did not infected humans.
2. It is a disease caused by avian influenza Type A viruses found naturally in wild birds worldwide.

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: There have been reports of avian and swine influenza infections in humans including A(H1N1), A(H1N2), A(H5N1), A(H7N9) among others. The first report of human H5N1 infection was in 1997. Moreover, the infection is deadly as it has a high mortality rate of about 60%.

Statement 2 is correct: Bird flu or avian influenza is a disease caused by avian influenza Type A viruses found naturally in wild birds worldwide.

The virus can infect domestic poultry including chickens, ducks, turkeys and there have been reports of H5N1 infection among pigs, cats, and even tigers in Thailand zoos.

Source: [Indian Express](#)

Q.6) Which of the following statement is not correct about Ajanta Caves?

- a) The artworks' outlines were painted in red colour.
- b) Both Fa Hien and Hieun Tsang mentioned about Ajanta caves.
- c) The caves were first discovered in 1819 by John Smith.
- d) The majority of the Ajanta paintings were done in blue colour.

Answer: D

The scarcity of blue in the paintings is one of the most remarkable elements of Ajantha Paintings.

Source: [Times of India](#)

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

Q.7) With reference to Broken Rice, consider the following statements;

1. These are fragments of rice grains, broken in the field during drying, transport or during milling.
2. This rice is mostly used as a food for people in African countries.

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: Broken rice are fragments of rice grains, broken in the field during drying, transport or during milling.

Statement 2 is incorrect: This rice is mostly used as animal feed and as a component for ethanol production.

Source: [The Hindu](#)

Q.8) Ni-kshay Mitra, is seen in news recently, is related to which of the following?

- a) Providing care to elderly
- b) Local people who helps in Policing activities
- c) Donors provide various forms of support to persons undergoing TB treatment.
- d) Donors provide free blood to road accident patients.

Answer: C

Ni-kshay Mitra are donors who can provide various forms of support to those undergoing TB treatment. The three-pronged support includes nutritional, additional diagnostic, and vocational support.

These donors could be a wide range of stakeholders from elected representatives, political parties, to corporates, NGOs, and individuals.

Source: [PIB](#)

Q.9) With reference to Majma-ul-Bahrain, consider the following statements;

1. It is authored by Mughal Prince Dara Shikoh.
2. The book throws invaluable light on the similarities between religions and helps bring stronger unity among the people 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: C

Statement 1 is correct: Majma-ul-Bahrain ("The Confluence of the Two Seas" or "The Mingling of the Two Oceans") is a book on comparative religion authored by Mughal Prince Dara Shikoh.

Statement 2 is correct: The book throws invaluable light on the similarities between religions and helps bring stronger unity among the people of India.

Source: [PIB](#)

Q.10) With reference to Red-Eared Slider Turtles, consider the following statements;

1. They are native to the Southern United States and northern Mexico.
2. They are able to regulate their body temperatures independently.
3. These Turtles mature faster, grow larger and produce more offspring.

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 only

Answer: C

Statement 1 is correct: They are native to the Southern United States and northern Mexico.

Statement 2 is incorrect: Red-eared sliders are poikilotherms. This means that they are unable to regulate their body temperatures independently. Hence, they are completely dependent on the temperature of their environment.

For this reason, they need to sunbathe frequently to warm themselves and maintain their body temperatures.

Statement 3 is correct: Red Eared Slider Turtles mature fast, grow larger, and produce more offspring, and are very aggressive, they can out-compete native turtles for food, nesting, and basking sites.

They eat plants and animals and can finish off a wide range of aquatic species, including fish and rare frogs. They can also transfer diseases and parasites to native reptile species.

Source: [DTE](#)