



Daily Current Affairs Prelims Quiz 23-06-2022 - (Online Prelims Test)

1) Consider the following statements about Bedti-Varada Link river-interlinking project:

1. The proposal envisages diversion of surplus waters of Varda basin to Tungabhadra sub-basin.
2. Provision for compensatory afforestation on account of submergence of forest land has been made.
3. No important historical monuments and archaeological structures will be coming under submergence.

Which of the above statement(s) is/are correct?

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

Answer : b

Bedti-Varada Link

- Bedti-Varada Link proposal envisages diversion of 242 Mcum of surplus waters of Bedti basin to water short Tungabhadra sub-basin, to be utilized under Tungabhadra Project Command.
- The head works of this project consists of two dams viz. Pattanadahalla dam on Pattanadahalla stream and Shalamalahalla dam on Shalamalahalla stream and interlinking systems between these two reservoirs.
- The irrigation that proposed under the link canal is 60,200 hectares in the drought prone Raichur district of Karnataka.
- Provision for compensatory afforestation on account of submergence of forest land has been made.
- No important historical monuments and archaeological structures will be coming under submergence.

2) Which of the following provisions of the constitution is/are violated by the Islamic form of divorce Talaq-e-Hasan ?

1. Article 15
2. Article 16
3. Article 19
4. Article 25

Select the correct code

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

Answer : a

Talaq-e-Hasan

- Talaq-e-Hasan is pronounced with a gap of at least one month or one menstrual cycle. Only a single revocable divorce takes place through the first pronouncement of Talaq-e-Hasan.
- The husband and wife are supposed to live together after this pronouncement and have the option of rapprochement.
- Talaq-e-Hasan mode by her husband Yousuf, also prayed that Section 2 of the Muslim Personal Law (Shariat) Application Act, 1937 that permits Muslims to practise unilateral divorce be declared void.
- Talaq-e-Hasan unconstitutional as it is violative of Articles 14, 15, 21 and 25 of the Constitution.
- The Quran clearly mentions the process of Talaq-e-Hasan.

3) Consider the following statements:

1. Azooxanthellate corals are a group of corals that are able to derive nourishment from the sunlight.
2. These groups of corals are deep-sea representatives, with the majority of species reporting from between 200 m to 1000 m.
3. Their occurrences are not reported from shallow coastal waters and Continental shelves.

Which of the above statement(s) is/are correct?

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

Answer : a

Azooxanthellate corals

- Azooxanthellate corals are a group of corals that do not contain zooxanthellae and derive nourishment not from the sun but from capturing different forms of plankton.
- These groups of corals are deep-sea representatives, with the majority of species reporting from between 200 m to 1000 m.
- Their occurrences are also reported from shallow coastal waters.
- These new corals were found from the waters of Andaman and Nicobar Islands.
- The Zoological Survey of India (ZSI) scientist said that all the four groups of corals are from the same family Flabellidae.

4) Which of the following statement/s is/are correct regarding Quantum diamond microscope?

1. It has the ability to image magnetic fields that change within nanoseconds.
2. It can measure the biological activity of neurons and dynamics of vortices in superconductors.

Select the correct code

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

Answer : b

Quantum diamond microscope

- Researchers from the Indian Institutes of Technology (IIT) at Mumbai and Kharagpur have built a microscope that can image magnetic fields within microscopic two-dimensional samples that change over milliseconds.
- This has a huge potential for scientific applications, such as in measuring biological activity of neurons and dynamics of vortices in superconductors.
- This is the first time that such a tool has been built to image magnetic fields that change within milliseconds.
- The key aspect of this sensor is a “nitrogen vacancy (NV) defect centre” in a diamond crystal.
- Such NV centres act as pseudo atoms with electronic states that are sensitive to the fields and gradients around them (magnetic fields, temperature, electric field and strain).

5) The term Private Access token has been recently seen in news, refers to

- a... It helps to identify Hyper Text Transfer Protocol requests from legitimate devices and people without compromising the identity.
- b. It is cryptographic asset on a blockchain with unique identification codes and metadata that distinguish them from each other.
- c. It is a digital token which represents a specific amount of digital resources one can own, assign to another, or redeem later.
- d. It enable clients to securely call protected web APIs, and are used by web APIs to perform authentication and authorization.

Answer : a

Private access tokens

- Apple in collaboration with internet and digital infrastructure providers has come with Private Access Tokens that offer assurance that a person using certain devices iPhones or Macs, is a genuine person and gets automatic entry .
- With Private Access Tokens, Apple devices will block all types of tracking, skip CAPTCHA verification and offer direct entry to the website or an app.
- Private Access Tokens are a powerful alternative that help you identify HTTP requests from legitimate devices and people without compromising their identity or personal information.