July 22, 2019

Q.1) 'Krishna Raja Sagara' is built on which of the following rivers?

a) Cauvery
b) Krishna
c) Mahanadi
d) Tapi

Q.1) Solution (a)

Krishna Raja Sagara, also popularly known as KRS, is a lake and the dam that creates it. They are close to the settlement of Krishnarajasagara in Karnataka. The gravity dam made of surki mortar is below the confluence of river Kaveri with its tributaries Hemavati and Lakshmana Tirtha.

Q.2) Consider the following statements with respect to 'National Tiger Conservation Authority (NTCA)'

1. It is a statutory body of the Ministry, with an overarching supervisory/coordination role, performing functions as provided in the Wildlife (Protection) Act, 1972.
2. It is set up under the Chairmanship of the Minister for Environment and Forests

Select the correct statements

a) 1 Only
b) 2 Only
c) Both 1 and 2
d) Neither 1 nor 2

Q.2) Solution (c)

The Wildlife Protection Act of 1972 was amended in 2006 to provide for constituting the National Tiger Conservation Authority responsible for implementation of the Project Tiger plan to protect endangered tigers. The National Tiger Conservation Authority is set up under the Chairmanship of the Minister for Environment and Forests. The Authority will have eight experts or professionals having qualifications and experience in wildlife conservation and welfare of people including tribals, apart from three Members of Parliament of whom two will be elected by the House of the People and one by the Council of States. The Inspector General of Forests, in charge of project Tiger, will be ex-officio Member Secretary.

Q.3) Which of the following committees is under the 'Standing Committees'?

1. Railway Convention Committee
2. Public Accounts Committee
3. Committee on Public Undertakings

Select the correct statements

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

Q.3) Solution (b)

The Financial Committees, DRSCs and some other Committees come under the category of Standing Committees.

The three financial committees are the Public Accounts Committee, the Estimates Committee and the Committee on Public Undertakings.

Source: https://www.thehindu.com/news/national/whither-house-panels/article28621493.ece

Q.4) Which of the following statements is/are correct with respect to 'BlockChain'?

1. It allows designing a secure way to record transactions and circulate it among signatories, or any kind of target group with an Internet connection.
2. Every block in a block chain provides an unalterable document of the history of every transaction.

Select the correct statements

a) 1 Only
b) 2 Only
c) Both 1 and 2
d) Neither 1 nor 2

Q.4) Solution (c)

Blockchain is a foundational technology or a platform that allows designing a secure way to record transactions and circulate it among signatories, or any kind of target group with an Internet connection. At its core it is an extremely democratic ledger that cannot be arbitarily manipulated and easily shareable.

Every block in a blockchain is a record of transactions and the more of the latter, the longer the chain. Just as worthless paper transforms into valuable currency with the signature of the RBI governor, blocks are great because they provide an unalterable document of the history of every transaction. In the context of currency, it stores the place, time, value (rupee, for example) and location of a purchase. There is minimal identifying information and every block is linked to a unique 'digital signature' of the transacting participants. Every block is distinguished from another through a unique code which is a string of numbers.

Read More - https://www.thehindu.com/sci-tech/technology/what-are-the-advantages-blockchain-offers/article28621496.ece

Q.5) 'KAGRA', is a Gravitational Wave Detector located in

a) India
b) Japan
c) China
d) South Africa

Q.5) Solution (b)

The Kamioka Gravitational Wave Detector (KAGRA), formerly the Large Scale Cryogenic Gravitational Wave Telescope (LCGT), is a project of the gravitational wave studies group at the Institute for Cosmic Ray Research (ICRR) of the University of Tokyo. It aims to be the world's first major (one with ability to actually detect a gravitational wave) gravitational wave observatory that is built underground, and the first major detector to use cryogenic mirrors. It will also be the first major gravitational wave observatory in Asia.

LIGO - https://www.thehindu.com/sci-tech/technology/how-will-india-contribute-to-ligo/article28621498.ece