

September 22, 2017

Q.1) Consider the following statements about INS Kalvari

1. It is a diesel-electric attack submarine
2. It is a part of Project 75 of Indian Navy
3. It is built in association with Russia

Select the correct statements

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

Q.1) Solution (a)

Kalvari which is named after the dreaded Tiger Shark is equipped with state of the art technology, including superior stealth features such as “advanced acoustic silencing techniques”, low radiated noise and the ability to launch a crippling attack on the enemy using precision guided weapons.

It was built at MDL in collaboration with France’s DCNS as part of Project 75 of Indian Navy.

It is the first of the Scorpene class submarines.

It is the stealthiest diesel-electric attack submarine

Source: [http://economictimes.indiatimes.com/news/defence/first-scorpene-submarine-
ins-kalvari-delivered-to-navy-to-be-commissioned-soon/articleshow/60783199.cms](http://economictimes.indiatimes.com/news/defence/first-scorpene-submarine-
ins-kalvari-delivered-to-navy-to-be-commissioned-soon/articleshow/60783199.cms)

Q.2) Consider the following statements about Peer-to-peer lending (P2P) in India

1. All peer-to-peer lending (P2P) platforms will be regulated by the SEBI
2. All peer-to-peer lending (P2P) platforms will be treated as non-banking financial companies (NBFCs)

Select the correct statements

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

Q.2) Solution (b)

P2P lending is a form of crowd-funding used to raise loans which are paid back with interest. It can be defined as the use of an online platform that matches lenders with borrowers in order to provide unsecured loans.

The Reserve Bank of India...specifies a non-banking institution that carries on 'the business of a peer to peer lending platform' to be an NBFC.

As per the RBI, the business of a P2P lending platform is defined as the service of loan facilitation, via online medium or otherwise, to "the participants who have entered into an arrangement with that platform to lend on it or to avail of loan facilitation services provided by it.

Source: <http://www.livemint.com/Industry/hRoVwVIZrYEmtuSzSd4PaO/P2P-lending-firms-to-be-regulated-by-RBI.html>

Q.3) Rooppur Nuclear Power Plant is located in

- a) Sri Lanka
- b) Bangladesh
- c) Myanmar
- d) Afghanistan

Q.3) Solution (b)

India is collaborating with Russia to build the Roppur nuclear power plant in Bangladesh, the first initiative under a Indo-Russia deal to undertake atomic energy projects in third countries.

This will also be India's first atomic energy venture abroad.

India signed a civil nuclear cooperation deal, along with two more agreements, with Bangladesh in April under which the two sides can supply and manufacture equipment, material for the atomic power plant.

The Roppur project, which is being built by the Russians near Dhaka, will be Bangladesh's first atomic energy project.

Source: <http://economictimes.indiatimes.com/news/politics-and-nation/india-collaborating-with-russia-for-nuclear-power-plant-in-bangladesh/articleshow/60767263.cms>



Q.4) Joint Comprehensive Plan of Action refers to which of the following

- a) The Chilcot Report
- b) India-Iran Nuclear Deal
- c) The Heart of Asia - Istanbul Process
- d) None of the above

Q.4) Solution (d)

The Joint Comprehensive Plan of Action (JCPOA) known commonly as the **Iran deal**, is an international agreement on the nuclear program of Iran reached in Vienna on 14 July 2015 between **Iran, the P5+1 (the five permanent members of the United Nations Security Council—China, France, Russia, United Kingdom, United States—plus Germany) and the European Union.**

Source: <http://www.thehindu.com/news/national/india-walks-a-fine-line-as-us-iran-spar-over-nuclear-deal/article19733664.ece>

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

1. Near-Earth Objects (NEOs) are NEAs (near-Earth asteroids) and NECs (near-Earth comets)
2. Spacewatch and Pan-STARRS are asteroid survey projects of NASA's Near Earth Object Observations Program

Select the correct statements

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

Q.5) Solution (c)

Near-Earth Objects (NEOs) are comets and asteroids that have been nudged by the gravitational attraction of nearby planets into orbits that allow them to enter the Earth's neighbourhood. Composed mostly of water ice with embedded dust particles, comets originally formed in the cold outer planetary system while most of the rocky asteroids formed in the warmer inner solar system between the orbits of Mars and Jupiter.

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In technical terms, NEOs are NEAs (near-Earth asteroids) and NECs (near-Earth comets). NEAs are asteroids whose perihelion distance is less than 1.3 au. NECs are comets whose perihelion distance is less than 1.3 au and whose orbital period is less than 200 years.

Both Spacewatch and Pan-STARRS are asteroid survey projects of NASA's Near Earth Object Observations Program.

Source: <http://www.thehindu.com/sci-tech/science/hubble-spots-unique-binary-asteroid-with-comet-like-features/article19726657.ece>

