

IASbaba's Daily Quiz

October 26, 2016

Q.1) Consider the following statements about Chandrayaan – 2

1. It consists of an Orbiter, Lander and a Rover
2. It is joint venture of ISRO and ROSCOSMOS

Select the correct statements

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

Q.1) Solution (a)

Chandrayaan 2, India's second mission to the Moon, is an advanced version of the previous Chandrayaan-1 mission. It consists of an Orbiter, Lander and Rover configuration. It is planned to be launched as a composite stack into the Earth Parking Orbit (EPO) of 170 X 18,500 km by GSLV-Mk II. The Orbiter carries the combined stack up to moon till the Lunar Orbit Insertion (LOI). The combined stack is then inserted into a lunar orbit of 100 km x 100 km. The Lander is separated from the Orbiter in this orbit.

The Orbiter with scientific payloads will orbit around the moon. The Lander will soft land on the Moon at a specified site and deploy the Rover. The scientific payloads onboard the Orbiter, Lander and Rover are expected to perform mineralogical and elemental studies of the lunar surface.

During 2010, it was agreed that Russian Space Agency ROSCOSMOS would be responsible for lunar Lander and ISRO will be responsible for Orbiter and Rover as well as Launch by GSLV. Later, due to a shift in the programmatic alignment of this mission, it was decided that the Lunar Lander development would be done by ISRO and Chandrayaan-2 will be totally an Indian mission.

In News - <http://www.thehindu.com/todays-paper/tp-national/isro-begins-series-of-tests-for-chandrayaan2/article9263290.ece>

Q.2) Which of the following countries is not a part of Borneo Island?

- a) Indonesia
- b) Philippines
- c) Brunei
- d) Malaysia

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Q.2) Solution (b)

It is the third-largest island in the world and the largest island in Asia.

The island is politically divided among three countries: Malaysia and Brunei in the north, and Indonesia to the south.

In News - <http://www.thehindu.com/sci-tech/energy-and-environment/the-helmeted-hornbill-is-being-hunted-to-extinction/article9230964.ece>

Q.3) Which of the following regions is called as 'Third Pole'

- a) Andean Mountains
- b) Heard Island glaciers
- c) Svalbard in Norway
- d) None of the above

Q.3) Solution (d)

The region that encompasses the **Himalaya-Hindu Kush mountain range and the Tibetan Plateau** is widely known as the Third Pole because its ice fields contain the largest reserve of fresh water outside the Polar Regions. This region is the source of the 10 major river systems that provide irrigation, power and drinking water for over 1.3 billion people in Asia – nearly 20% of the world's population.

In News - <http://indiatoday.intoday.in/story/india-first-ever-celebrity-expedition-to-siachen-indian-army/1/737883.html>

Q.4) _____ is the only privately-owned railway line in India

- a) Railway Orient Train
- b) Fairy Queen Train
- c) Shakuntala Express
- d) Deccan Odyssey

Q.4) Solution (c)

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In News - http://www.business-standard.com/article/companies/govt-to-take-over-shakuntala-only-private-railway-line-116102200809_1.html

Q.5) Which of the following is/are correctly matched

1. Insulin - regulate the levels of blood sugar
2. Keratin - structural component in hair, nails, teeth and skin
3. Fibrinogen - blood clotting
4. Calbindin - facilitates the absorption of calcium from the intestinal walls

Select the correct code

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

Q.5) Solution (d)

All are correctly matched.

