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Created By [Careericons](#) Team

Q1. Identify the **correct** statement(s):

- IAEA governing body has decided to established a nuclear fuel bank.
- India will be able to draw fuel from the nuclear fuel bank.

- a) 1 only
 - b) 1 and 2 both
 - c) 2 only
 - d) None
-

Q2. MIRV stands for

- a) Multipurpose Integrally-targeted Revolutionary Vehicle
 - b) Multi-dimensional Independent Reentry Vehicle
 - c) Multiple Independently-targetable Re-entry Vehicle
 - d) Multi-directional Independently Reoriented Vehicle
-

Q3. Which among the following was the first satellite launched by Indian Space Research Organisation ?

- a) Aryabhata
 - b) INSAT I-A
 - c) Rohini
 - d) Bhaskar
-

Q4. The Department of Space proposed setting up of Indian Institute of Space Technology on the line of the seven IITs. It will have its independent campus at

- a) Thumba
- b) Sriharikota
- c) Thiruvananthapuram
- d) Chennai

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Q5. Which of the following pairs are **correctly** matched? Exercise Conducted by

- HADR Indian Navy
- Hand in Hand Indian Army
- Iron Fist Indian Air Force

Codes:

- a) 1 and 3 only
- b) 2 and 3 only
- c) 1 and 2 only
- d) All of these

Q6. Which of the following pairs are **correctly** matched? Substance/mineral Use

- Graphite electrode Vulcanization of rubber
- Limestone Smelting of iron
- Aluminium Mixing with other metals to provide strength and lightness

Codes:

- a) 1 and 3 only
- b) 2 and 3 only
- c) 1 and 2 only
- d) All of these

Q7. Gaia satellite which was launched in 2013 has reached its intended location. The satellite was launched by

- a) ISRO
 - b) China National Space Administration
 - c) ESA
 - d) NASA
-

Q8. Which of the following statements are **correct** about Dongfeng-31B?

- It has long range missile with a reach of 10,000 km.
- It can carry multiple nuclear warheads.

Codes:

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

Q9. Which one of the following is an indigenously built light combat aircraft of India?

- a) Vikrant
 - b) Vikrant
 - c) Arjun
 - d) Akash
-

Q10. What is the name of the world's first womb transplant baby?

- a) Margaret
 - b) Louis
 - c) Glenn
 - d) Vincent
-

Q11. How many countries have, signed Nuclear Liability Treaty under the aegis of IAEA.

- a) 11
- b) 13
- c) 12
- d) 14

Q12. Which of the following social networking site has joined GSM operators lobby group Cellular operators Association of India (COAI)?

- a) Twitter
- b) LinkedIn
- c) Orkut
- d) Facebook

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Q13. Who propounded the possibility of placing communications satellites in geosynchronous orbit for the first time ?

- a) William Herschel
- b) Pierre Laplace
- c) Arthur C. Clarke
- d) Edwin P. Hubble

Q14. “Connect 2Decode” (C2D) Project is related with

- a) It is related with the decoding of Bt brinjal and its effect on human health.
- b) It is related with the biological and genetic information relating to the mycobacterium tuberculosis (mtb) genome.

c) It is related with decoding of HYV virus.

d) None

Q15. Consider the following statements about Solar Impulse 2:

- World's first solar powered aircraft is on global journey.
- It is a Swiss long-range solar-powered aircraft project and claimed to be first aircraft to fly in day only without consuming conventional fuel.
- The Solar Impulse 2 has 17,248 solar cells inbuilt into its wings. These cells supply renewable energy to propel the electric motors of aircraft.
- It was successfully landed in Ahmedabad, Gujarat.

Which of the statements given above is/are correct?

a) 1, 3 and 4 only

b) 2, 3 and 4 only

c) 1, 2 and 3 only

d) All of the above

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Answers to the above questions :

Q1. Answer: (a)

U.N.'s International Atomic Energy Agency (IAEA) approved the U.S.-backed scheme to establish a reserve of low-enriched uranium (LEU), the IAEA has yet to conclude negotiations with Kazakhstan, the country that will host the fuel bank.

Q2. Answer: (c)

A multiple independently targetable re-entry vehicle (MIRV) warhead is a collection of separate warheads. By contrast, a unitary warhead is a single warhead on a single missile. It provides greater target damage for a given missile payload.

With a MIRV warhead, the post-boost (or bus) stage can dispense the warheads against multiple targets across a broad area. It reduces the effectiveness of an anti-ballistic missile system that relies on intercepting individual warheads.

While a MIRV attacking missile can have multiple warheads (3–12 on United States missiles and 3-10 on Russian), interceptors may have only one warhead per missile. Thus, in both a military and an economic sense, MIRVs render ABM systems less effective.

Q3. Answer: (a)

Aryabhata, the first Indian space satellite, was launched for India on April 19, 1975. Later, Bhaskaral, an Earth observation satellite, was launched for India on June 7, 1979. India launched its own satellite for the first time on July 18, 1980.

It was the Rohini1 satellite carried aloft on a Satellite Launch Vehicle (SLV) rocket from the Sriharikota Island launch site.

Note: in its thirty-ninth flight (PSLV-C37), ISRO's Polar Satellite Launch Vehicle successfully launched the 714 kg Cartosat-2 Series Satellite along with 103 co-passenger satellites on February 15, 2017, from Satish Dhawan Space Centre SHAR, Sriharikota.

The total weight of all the 104 satellites carried onboard PSLV-C37 was 1378 kg. The previous record was held by Russia, which sent 37 satellites into orbit in 2014.

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Q4. Answer: (c)

The Indian Institute of Space Science and Technology is India's national institute for the study and development of space science, located at Valiamala, Nedumangad, Thiruvananthapuram, Kerala. It was inaugurated on 14 September 2007 by G. Madhavan Nair, the then Chairman ISRO.

IIST is sponsored by the Indian Space Research Organisation (ISRO) under the Department of Space, Government of India. IIST offers undergraduate B. Tech., master's M. Tech and PhD programs in space science and technology, and also serves as a research centre.

Q5. Answer: (d)

Indian Navy recently undertook Humanitarian Assistance and Disaster Relief (HADR) exercise involving more than 20 ships from the Western and Eastern Fleet and various aircraft of the Indian Navy.

Q6. Answer: (b)

Graphite electrode is used in melting of steel. Recently, the Indian government has imposed antidumping duty on import of graphite electrode to protect domestic industry.

Q7. Answer: (c)

Gaia satellite, the billion star surveyor was launched by ESA in 2013.

Q8. Answer: (b)

The missile is a variant of Dongfeng-31 A with same range but improved capability in carrying warheads.

Q9. Answer: (b)

Tejas is an indigenously-built Light Combat Aircraft (LCA) of the Indian Air Force. It is a single-seat, single-jet engine, multi-role light fighter developed by Hindustan Aeronautics Limited. It came from the Light Combat Aircraft (LCA) programme, which began in the 1980s to replace India's ageing MiG-21 fighters. Later, the LCA was officially named "Tejas."

Q10. Answer: (d)

Vincent, the world's first womb transplant baby was born to a Swedish family.

Q11. Answer: (d)

The international covenant — which provides a framework for channelling liability and providing speedy compensation in the event of a nuclear accident — was signed at the International Atomic Energy Agency offices in Vienna by Dinkar Khullar, India's Ambassador to Austria. The IAEA is the "depository" of the CSC, which has so far been signed by 14 countries and ratified by four, including the U.S.

Q12. Answer: (d)

Facebook has joined GSM operators lobby group Cellular operators Association of India (COAI). This move will help it get a bigger and effective platform to raise various issues with the government.

Q13. Answer: (c)

Arthur C. Clarke was a British science fiction author, inventor, and futurist, famous for his short stories and novels, among them 2001: A Space Odyssey (1968), and as a host and commentator in the British television series Mysterious World.

Clarke has contributed to the popularity of the idea that geostationary satellites would be ideal telecommunications relays.

He described this concept in a paper titled Extra-Terrestrial Relays – Can Rocket Stations Give Worldwide Radio Coverage?, published in Wireless World in October 1945. The geostationary orbit is now sometimes known as the Clarke Orbit or the Clarke Belt in his honour.

Q14. Answer: (b)

C2D project is a quest towards conquest of tuberculosis, is launching a massive initiative to further the understanding of the biology of the causative organism, Mycobacterium tuberculosis.

Q15. Answer: (a)

It is a Swiss long-range solar-powered aircraft project and claimed to be first aircraft to fly day and night without consuming conventional fuel.

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