

Q: Consider the following statement regarding North Eastern Space Applications Centre (NESAC):

1. It is as an autonomous institution under Dept. of Space (DOS).
2. It is engaged in executing remote sensing application projects for natural resources management.
3. It is located at Shimla.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- North Eastern Space Applications Centre (NESAC) is located at Shillong. It was established in 2000, jointly with North Eastern Council (NEC), NESAC is as an autonomous institution under Dept. of Space (DOS) to provide space technology inputs and services for the development of the North Eastern Region.
- NESAC is engaged in executing remote sensing application projects for natural resources management & infrastructure development, satellite communication-based applications in education; health & disaster management support, and training & capacity building in space technology & applications.

Q: Consider the following statement:

1. Space X launched its man space mission on its New Shepard spacecraft.
2. It took the first Egyptian and Portuguese-origin passengers to space.
3. Sara Sabry became to first Egyptian and Mário Ferreira the first Portuguese to journey to space.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: b

Explanation:

- Recently, Jeff Bezos-led Blue Origin successfully launched six more people into space on its New Shepard spacecraft from launch Site One in Texas.
- Blue Origin created a new record as it took the first Egyptian and Portuguese-origin passengers to space.
- Sara Sabry became to first Egyptian to go to space alongside Mário Ferreira, who was the first Portuguese to journey to space.
- The two were joined by Dude Perfect cofounder Coby Cotton, British-American mountaineer Vanessa O'Brien, technology leader Clint Kelly III and telecommunications executive Steve Young.

Q: Consider the following statement:

1. South Korea became the seventh country in the world to launch a mission to the Moon.
2. South Korean Lunar Orbiter is nicknamed as Danuri.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2
- d) None of the above

Ans: c

Explanation:

- Recently, South Korea became the seventh country in the world to launch a mission to the Moon as its orbiter hitched a ride on SpaceX Falcon-9.

- The Korea Pathfinder Lunar Orbiter, nicknamed Danuri, lifted off from launch complex at the Cape Canaveral Space Force Station in Cape Canaveral.
- The Moon is set to be the next big target for countries across the world with India, Russia, and Japan planning to launch new lunar missions later this year or next.

Q: Consider the following statement:

1. There is a provision for the appointment of Chief Justice of India (CJI) in the constitution.
2. The outgoing CJI appoints the next CJI of India.

Choose the correct option from the codes given below:

- a) 1 Only
- b) 2 Only
- c) 1 and 2
- d) None of the above

Ans: d

Explanation:

- The Constitution does not spell out the procedure for appointing the top judge of the Supreme Court. Article 124 (1) of the Constitution only says, “There shall be a Supreme Court of India consisting of a Chief Justice of India.”
- Under Clause (2) of Article 124 of the Constitution, the Chief Justice of India and the judges of the Supreme Court are appointed by the President.
- Since there is no provision in the Constitution, the procedure to appoint the CJI is based on convention.
- The outgoing CJI recommends his successor, a practice which is based strictly on seniority. The recommendation is forwarded by the Union law minister to the Prime Minister, who in turn, advises the president.

Q: Consider the following statement regarding the impact of climate change:

1. Earth’s temperature is rising exponentially.
2. Food and water security are threatened.
3. Global economy could lose up to \$6 trillion by 2050 if no climate action is taken.

Choose the correct option from the codes given below:

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) 1, 2 and 3

Ans: a

Explanation:

- There is unequivocal evidence that the Earth’s temperature is rising exponentially, with multiple threats around the world.
- It has been estimated that the global economy could lose up to 18 per cent of GDP, and India could lose \$6 trillion by 2050 if no climate action is taken. In India alone, more than 50 per cent of our largely rural workforce will be negatively affected by climate change.
- Food and water security are already threatened across the world due to the climate crisis. Clearly, climate change can no longer be an after-thought to the global development agenda.