



## Daily Current Affairs Prelims Quiz 29-01-2024 & 28-01-2024 (Online Prelims Test)

1) Rakthashali and Rajamudi, sometimes seen in the news is related to which of the following?

- a. Indigenous dog breeds
- b. Indigenous paddy varieties
- c. Indigenous cattle breeds
- d. Indigenous Languages

Answer : b

### Rakthashali and Rajamudi

*Recently a couple in Karnataka have documented 840 paddy varieties including Rakthashali and Rajamudi for preservation of rare native varieties.*

- **Rakthashali** - Is a rare and precious variety of rice.
- It is a medicinal rice that is dark red in colour and medium in quality.
- It is a small and slender-grained rice that is unpolished and has full bran.
- Rakthashali is used in Ayurveda to treat imbalances in the body.
- **Rajamudi** - A rice variety cultivated in a small area around Hassan, Karnataka which is popular for its taste and perceived health benefits.
- It is a variety of red rice that was earlier grown exclusively for the Wadiyars or Maharajas of Mysore in Karnataka.

2) With reference to Jerezo, consider the following statements:

1. It is a crater in the south pole of the Moon.
2. Recently it have been confirmed that there is evidence of ancient lake sediments deposited by water in this site.

Which of the above statement(s) is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

Answer : b

### Jerezo

- Jerezo is a crater on **Mars** that is about 45 kilometers in diameter.
- It is located in the Syrtis Major quadrangle and is thought to have once been filled with water.
- Recently [NASA's rover Perseverance](#) have confirmed that there is evidence of ancient lake

sediments deposited by water in this site.

- Radar observations by the rover also reveal sedimentary-like features resembling river deltas on Earth.
- The portions of Jerezo were once covered in water and may have harboured microbial life.

3) Consider the following statements with respect to UF Water Purifier

1. It utilizes a membrane-based technology called ultrafiltration to effectively cleanse water.
2. The purifier can be used only in the industrial sector.
3. It eliminates both the pollutants and minerals such as magnesium, calcium, and potassium in the impure water.

How many of the statements given above are correct?

- a. Only one
- b. Only two
- c. All Three
- d. None of the above

Answer : a

### Ultrafiltration Water Purifier

- A UF water purifier, also known as an Ultrafiltration water purifier.
- It utilizes a membrane-based technology called ultrafiltration to effectively cleanse water.
- This advanced technology is highly efficient in eliminating various impurities such as bacteria, viruses and suspended particles.
- It is a popular and cost-effective that *can be used by the individuals and households* which provide a sustainable water purification to them.
- Unlike ordinary filters, which cannot fully remove tiny impurities, ultrafiltration adds another layer to make sure a safe water supply.
- Ultrafiltration (UF) technology along with technologies like UV in water purifier systems, eliminates pollutants while ***allowing important minerals like magnesium, calcium, and potassium pass through.***

4) Consider the following statements with respect to Aurangzeb

1. The Visvanatha Temple of Banaras was the only temple built during his reign.
2. During his reign the ambassador by King James I, succeeded in securing permission to establish a British factory at Surat.
3. He is contemporary to the Louis XIV of France.

How many of the statements given above are correct?

- a. Only one
- b. Only two
- c. All Three
- d. None of the above

Answer : d

### Aurangzeb

- Aurangzeb, the last of the Great Mughals, started off his reign by imprisoning his old father.
- He was ***no lover of art*** like his grandfather Jahangir and architecture like his father Shah Jahan.

- He assumed the title Alamgir and **re-imposed the jizya tax** on Hindus.
- He tolerated no religion excepting Islam.
- Aurangzeb remained in the North and suppressed the revolt of Bundelas, Jats, Satnamis and Sikhs.
- Aurangzeb's expansion in the North-East resulted in a war with the Ahoms of Kamarupa (Assam).
- The kingdom came under repeated attacks of the Mughals, but it could not be subdued totally.
- **The Visvanatha Temple of Banaras was built during the reign of Akbar** by Raja Man Singh.
- During the **Jahangir** reign the ambassador by King James I, succeeded in securing permission to establish a British factory at Surat.
- **Shah Jahan was contemporary of Louis XIV of France.**

Important Officials in Mughal administration	Relevance
Wakil	Prime Minister
Wazir or diwan	in charge of the revenue and expenditure
Mir Bhakshi	in- charge of the army
Mir Saman	looked after the royal household
Qazi	Chief Judge
Sadr-us-Sudr	minister for enforcing Islamic law (Sharia)

5) The criteria to identify a planet includes:

- It must orbit a star.
- It must be big enough that gravity has forced it into a spherical shape.
- It must be big enough that its own gravity has cleared away any other objects of a similar size near its orbit.
- All the above.

Answer : d

## Criteria of a planet

*With the discovery of new and distant dwarf planets, there is a chance for 9th planet to be included in the solar system.*

- The Criteria of a planet were set by the International Astronomical Union.
- The criteria to identify a planet includes:
  1. It must orbit a star (in our Solar System this would be the Sun).
  2. It must be big enough that gravity has forced it into a spherical shape.
  3. It must be big enough that its own gravity has cleared away any other objects of a similar size near its orbit.
- The 3rd criterion was the reason for elimination of Pluto as a planet. It hasn't cleared its neighbouring region of other objects.
- A 'dwarf planet' is a celestial body that:
  1. Is in orbit around the Sun.
  2. Has sufficient mass for its self-gravity to overcome rigid body forces so that it assumes a hydrostatic equilibrium (nearly round) shape.
  3. Has not cleared the neighbourhood around its orbit.
  4. Is not a satellite.

- All other objects, except satellites, orbiting the Sun shall be referred to collectively as Small Solar System Bodies.



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