



Daily Current Affairs Prelims Quiz 10-12-2023 & 11-12-2023 (Online Prelims Test)

1) Which of the following statements with respect to Zhuque-2, sometimes seen in the news recently, is *incorrect*?

- a. It is the World's first hydrogen powered space rocket.
- b. It was launched by LandSpace, a China based private startup.
- c. It can carry a payload of up to 1.5 metric tons into a 500-kilometre-orbit.
- d. All of the above statements are correct

Answer : a

Zhuque 2 Rocket

China based space technology startup Land Space has recently launched a methane-powered private rocket.

- Zhuque 2 is a launch vehicle powered by a mixture of **methane and liquid oxygen**.
- Land Space has already launched the methane powered Zhuque-2 in July, 2023 without satellites.
- With this, LandSpace becomes the first company in the world to launch a methane-liquid oxygen rocket ahead of U.S. rivals including Musk's SpaceX and Jeff Bezos' Blue Origin.
- **Capacity** - Currently, the rocket can carry a payload of *up to 1.5 metric tons* into a 500-kilometre-orbit.
- **Advantages** - The use of methane in commercial launches could help *slash costs* and make it *easier to reuse rockets*.
- **Zhuque-3** - It would use stainless steel propellant tanks and clusters of methane-liquid oxygen propellant engines.

2) Consider the following statements with respect to Youth for Unnati and Vikas with AI (YUVAi)

- 1. It aims to develop a deeper understanding of Artificial Intelligence among school students from classes 8 to 12 across the nation.
- 2. It was jointly by the National e-Governance Division (NeGD) in collaboration with Microsoft India.

Which of the statements given above is/are correct?

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

Answer : a

Youth for Unnati and Vikas with AI (YUVAi) Program

YUVAi program will be featured at the Global Partnership on Artificial Intelligence (GPAI) Summit

- YUVAi Program was launched by the **National e-Governance Division** (NeGD) in collaboration with **Intel India**.
- **Aim** - It aims to foster a deeper *understanding of AI*, equip school students from classes **8 to 12** across the nation with relevant mindset and skill sets.
- Under YUVAi, students will be introduced to several social themes and sectors which includes agriculture, Health care, Education, Environment & Clean Energy and Rural development.

3) Red Sprite, sometimes seen in the news recently, refers to?

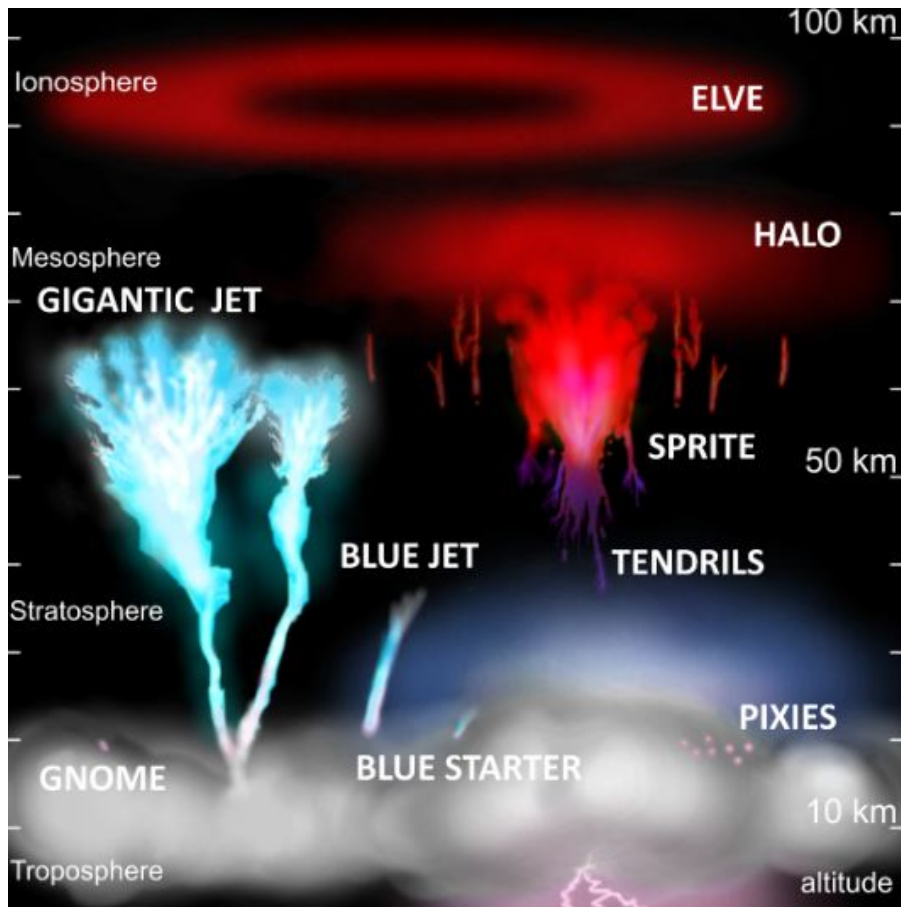
- a. A crucial water body that connects South Korea with Japan.
- b. A civilian movement against the Israel's war against Palestine.
- c. A rare atmospheric phenomenon that appears above thunder storms.
- d. A traditional beverage consumed by the tribes of Northeast Indian states.

Answer : c

Red Sprite

An Astronaut has recently captured the images of the rare atmospheric phenomenon 'Red sprite'.

- Red sprites, also known as "red fairies" are a type of transient luminous event (TLE), primarily appearing as red flashes of light occurring **above thunderstorms**.
- As rain and lightning descend from thunderstorms, electrical discharges can be unleashed into upper atmosphere.
- It results in lightning sprites or Red Sprite which resembles the long, jellyfish-like tendrils.
- The red sprites form around 40 to 80 km above ground.
- **Blue Jets** and **Elves** are the other upper atmospheric phenomenon linked to thunderstorm activity.



4) Consider the following statements with respect to Kalbelia

1. It is a folk song and dance form prevailed in the State of Rajasthan.
2. The dancers wear black skirts and replicate the movements of a serpent.
3. Kalbelia was inscribed in the UNESCO's Intangible Cultural Heritage list in 2010.

How many of the above statements are correct?

- a. Only one
- b. Only two
- c. All three
- d. None

Answer : c

Kalbelia

- Kalbelias are a snake charming tribe from the Thar Desert in **Rajasthan**.
- Their songs and dances are an expression of their traditional way of life.
- Kalbelia Dances are performed by women in flowing black skirts, with a headcloth (odhani), an upper body cloth (angrakhi) and a lower body cloth (lehenga) which are all in shades of red and black.
- They twirl to replicate the movements of a **serpent**.
- Male participants accompany the dancers with **khanjari** percussion instrument and the **poongi**, a woodwind instrument traditionally played to capture snakes.
- Kalbelia was inscribed in the **Intangible Cultural Heritage of India** list in 2010.

5) Consider the following statements with respect to Universal Declaration of Human Rights (UDHR).

1. It was adopted by the UN General Assembly in Paris in 1948.
2. The declaration is a treaty and is legally binding in itself.
3. India was a signatory to the Universal Declaration of Human Rights.

How many of the above statements are correct?

- a. Only one
- b. Only two
- c. Only three
- d. None

Answer : b

The Universal Declaration of Human Rights (UDHR)

- UDHR is a milestone document that sets out, for the first time, fundamental human rights to be universally protected.
- It was adopted by the **UN General Assembly** in Paris in 1948.
- UDHR consists of the declaration consists of a *preamble and 30 articles* setting out fundamental rights and freedom.
- The declaration ***isn't a treaty and isn't legally binding*** in itself, but the principles it sets out have been incorporated into many countries' laws.
- Human Rights Day is observed annually on **December 10** to commemorate the adoption and proclamation of the UDHR by the United Nations General Assembly on December 10, 1948.
 - 2023 marks the 75th anniversary of the UDHR.
- The theme chosen for the 2023 celebrations is ***"Freedom, Equality, and Justice for All"***.
- India was a signatory to the Universal Declaration of Human Rights.
- To preserve and protect human rights in India, the **National Human Rights Commission (NHRC)** was established in 1993.
- The NHRC is a human rights institution, which is a recommendatory body as per the **Protection of Human Rights Act**.