



### Daily Current Affairs Prelims Quiz 07-02-2023 (Online Prelims Test)

1) Recently Turkey and Syria were affected by a large scale Earthquake, in this context consider the following statements with respect to the Anatolian Plate:

1. It is located between three major tectonic plates, African, Arabian and Eurasian.
2. It moves independently from the surrounding major tectonic plates.
3. It consists of the countries of Turkey, Greece, Cyprus, and Crete only.

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

- a. 1 and 2 only
- b. 1 and 3 only
- c. 2 and 3 only
- d. 1, 2 and 3

Answer : d

### Anatolian Plate



- An extremely large earthquake has occurred in the southeast of Turkey, near the border with Syria.
- Earthquakes occur along faults, which are fractures between blocks of rock, allowing them to move relative to one another.
- The Anatolian Plate sits between three major tectonic plates: African, Arabian and Eurasian.
- Collisions between the Arabian and African plates with Eurasia typically result in earthquakes.
- Arabia is moving northwards into Europe, causing the Anatolian plate (which Turkey sits on) to be pushed out westwards.
- The Anatolian plate is divided into three major fault zones:
  1. North Anatolian Fault Zone (NAFZ)
  2. East Anatolian Fault Zone (EAFZ)
  3. South Eastern Anatolian Thrust Zone (SAT)
- The North Anatolian Fault is similar to the San Andreas Fault of California.
- The Anatolian block, referred to as such because it is a relatively small lithospheric fragment that moves independently from the surrounding major tectonic plates.
- Geographically the plate consists mostly of the Aegean Sea and the countries of Turkey, Greece, Cyprus, and Crete.
- This region is one of the most seismically active areas in the world due to the interactions of 3 major tectonic plates surrounding the Anatolian block.

### Aftershocks

- After major earthquakes there will be many smaller earthquakes known as aftershocks as the crust readjusts to the changes in stress.
- These can continue for days to years after the initial event.
- They are usually significantly smaller than the main shock, however, they can have equally

devastating consequences.

- They are further damaging the infrastructure that was damaged by the first earthquake and hampering rescue efforts.



2) Consider the following statements:

1. In solids, the constituent atoms are arranged in a pattern that periodically repeats itself.
2. In crystals, the atoms are confined to a fixed arrangement.
3. In quasicrystals, the atoms are arranged in a pattern that repeats itself at irregular, yet predictable, intervals.

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

- a. 1 only
- b. 2 only
- c. 3 only
- d. 1, 2 and 3

Answer : c

## Quasicrystals

- Quasicrystals imbue a symbolic power.
- They're not like other crystals yet they share important properties.
- In solids, the constituent atoms are confined to a fixed arrangement.
- In crystals, the atoms are arranged in a pattern that periodically repeats itself.
- In quasicrystals, the atoms are arranged in a pattern that repeats itself at irregular, yet predictable, intervals.
- Quasicrystals simply represent an incremental deviation from the natural order.

3) Consider the following statements with respect to the Katkari Tribes:

1. They are located in the State of Maharashtra and Gujarat.
2. They are part of the Particularly Vulnerable Tribal Groups (PVTGs).
3. The Bihu dance is performed by the Katkari tribes to mark the harvest festival.

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

- a. 2 and 3 only
- b. 1 and 2 only
- c. 1 and 3 only
- d. 1, 2 and 3

Answer : b

## Katkari Tribes

- They are primarily located in the States of Maharashtra and Gujarat.
- They were historically forest dwellers.
- The name is derived from a forest based activity, the making and bartering or sale of Catechu from the Khair tree (Acacia Katechu).
- Catechu is an extract of acacia trees used variously as a food additive, dye, etc.
- It is extracted by boiling the wood in water and evaporating the resulting brew.

- They are one of the 75 Particularly Vulnerable Tribal Groups (PVTGs).
- The British administration had classified them under the Criminal Tribes Act, 1871.
- Bihu belongs to the state of Assam, performed by the Bihu Tribes.

4) Which of the following statements best describes the term Ejiao, recently seen in news?

- Health-related product made from donkey hides.
- Phenomenon related to the formation of Northern Lights.
- Drug made from Magic Mushrooms.
- Endangered Species of bird indigenous to China.

Answer : a

## Ejiao

- In recent years, there's been a huge, rising demand for donkey hides in China, where they are used to make an ancient health-related product called ejiao.
- Ejiao is made from collagen that's been extracted from donkey hides mixed with herbs and other ingredients to create medicinal and health consumer products.
- It's believed to have properties that strengthen the blood, stop bleeding and improve the quality of both vital fluids and sleep.
- The demand for ejiao has led to a shortage of donkeys in China and increasingly worldwide.
- Countries in Africa have been particularly affected.

5) Consider the following statements with respect to the Yuva Sangam Portal:

- The objective of the portal is to expose young people from North Eastern States to other states and vice versa.
- It is a joint initiative of the Ministry of Development of North Eastern Region (MDONER) & the Ministry of Social Justice & Empowerment.

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

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

Answer : a

## Yuva Sangam Portal

- The portal was launched by the Ministry of Education and Skill Development and Entrepreneurship.
- The Yuva Sangam will focus on conducting exposure tours of the youth comprising of students & off-campus youngsters from North Eastern States to other states & vice versa.
- It will provide an immersive, multidimensional experience of various facets-under four broad areas of Paryatan (Tourism), Parampara (Traditions), Pragati (Development) and Paraspar Sampark (People-to-people connect).
- Youths between the ages of 18 and 30 will take part in this programme.