

## (SOLUTION) Online Prelims TEST - 32 (SUBJECT WISE)

### 32 Correct Answer : D

#### Answer Justification :

**Learning:** We can take Pretoria in South Africa as an example, which is located near Velds grasslands.

It has a subtropical climate, which accounts for its short winters, which are relatively dry, and its long but wet summers.

But, since it is located near the sea, temperature is moderate heavily.

However, in Eurasia, due to enormous distance from sea, the moderating effects of the sea do not affect the climate at all, and the winters become very cold.

Chinook blows in the Northern hemisphere. So, (b) is incorrect.

**Q Source:** Chapter 20: Goh Cheng Leong: Certificate Physical and Human Geography

### 33 Correct Answer : B

#### Answer Justification :

**Justification:** India successfully flight-tested indigenously developed Air-to-Air Missile 'Astra' from Sukhoi-30 MKI

- The Astra missile has a 15-kg high-explosive pre-fragmented warhead
- The missile has a strike range of 70km. Inter-continental missiles have a much longer range.

The missile is designed by the Defence Research and Development Organisation (DRDO)

The Astra missile is a beyond visual range missile. It is capable of engaging different targets at different altitudes.

The state-of-the-art missile was launched from Sukhoi-30 MKI off the coast of Odisha as part of user trials by the Indian Air Force (IAF).

**Q Source:** <https://www.livemint.com/news/india/watch-astra-missile-successfully-flight-tested-from-sukhoi-30-mki-fighter-jet-1568817422049.html>

### 34 Correct Answer : C

#### Answer Justification :

**Learning:** ASTROSAT is India's first dedicated multi wavelength space observatory. This scientific satellite mission endeavours for a more detailed understanding of our universe.

ASTROSAT will observe universe in the optical, Ultraviolet, low and high energy X-ray regions of the electromagnetic spectrum, whereas most other scientific satellites are capable of observing a narrow range of wavelength band.

The scientific objectives of ASTROSAT mission are:

- To understand high energy processes in binary star systems containing neutron stars and black holes
- Estimate magnetic fields of neutron stars
- Study star birth regions and high energy processes in star systems lying beyond our galaxy
- Detect new briefly bright X-ray sources in the sky
- Perform a limited deep field survey of the Universe in the Ultraviolet region

**Q Source:** Chapter 25: IYB 2020

### 35 Correct Answer : C

#### Answer Justification :

**Justification:** The ongoing Buddhist carnival near the 11th-century world-famous Hemis Monastery in Ladakh ended recently creating history as one of the folk dance namely Shondol has broke the previous record of 299 artists dance of Shondol in the 2018 festival.

Shondol is famous dance, which used to be performed by artists for King of Ladakh on special occasion. It was organised by the Live to Love India, Drukpa Charitable Trust and Young Drukpa Association. During the festival, it was not only focused on Zero usage of Plastic but also sensitise the religious and community leaders on plastic waste management and recycling.

**Q Source:** In news

### 36 Correct Answer : A

#### Answer Justification :

**Learning:** Kautilya refers to the existence of two kinds of courts – dharmasthiyas (dealing with civil matters) and kantakasodhanas (dealing criminal cases).

There were special courts in the cities and villages presided over by the pradesika, mahamatras and rajukas. The Pradesika were also the principal police officers, whose duty was to investigate the crimes committed in the region within their jurisdiction.

Rajukas were next in hierarchy to Pradesikas.

**Q Source:** 11th Tamil Nadu Textbook