

✓ **Tropic of cancer** passes through Gujarat, Rajasthan, Madhya Pradesh, Chhattisgarh, Jharkhand, West Bengal, Tripura and Mizoram. (8 States).

✓ Among parallels only Equator is a **great circle**.

✓ **Equator passes through** Ecuador, Colombia, Brazil, Gabon, Congo, Congo Republic, Uganda, Kenya, Somalia and Indonesia.

✓ The atmosphere contains 5 layers.

- Troposphere
- Stratosphere
- Mesosphere
- Ionosphere
- Exosphere

✓ Maximum concentration of Ozone is present in stratosphere

✓ Corbett National park is India's 1st national park (1935). It is located in Uttarakhand. This is the 1st sanctuary that is covered under project Tiger.

- ✓ **Lunar eclipse** occurs when the earth is between Sun and Moon.
- ✓ **Solar eclipse** occurs when the Moon is in between the Sun and the Earth
- ✓ **38th parallel** is the boundary between North Korea and South Korea.
- ✓ **49th parallel** is the boundary between USA and Canada.
- ✓ Pipavav (Gujarat) is the first private port in India.
- ✓ In India there are 12 major ports. 6 on east coast and 6 on west coast.

- Kandla-Gujarat
- Mumbai-Maharashtra
- Nhava Sheva-Maha
- New Mangalore-Karnataka
- Mormugao-Goa
- Kochi-Kerala
- Tuticorin-Tamil Nadu
- Chennai-TN
- Vishakhapatnam-AP,
- Paradip-Orissa
- Haldia – Kolkata
- Kolkata in West Bengal.

- ✓ Kandla is a free port.
- ✓ Mumbai is the biggest port.
- ✓ Calcutta is riverine port.
- ✓ Vishakhapatnam is the deepest port.
- ✓ “Miss Kerala” is India’s most popular fresh water fish. It is also called Red Line Torpedo Barb.
- ✓ 1st census in India conducted in 1872 and the 15th census was conducted in 2011.

- ✓ India's first commercial solar power plant is Azure powers located in Punjab. Inaugurated in 2009.
- ✓ **Three Gorges dam** (China) is the largest Hydro Power plant in the world. Capacity 22,500 MW.
- ✓ Gir forest in Sourashtra region of Gujarat is the home for Asiatic lions.
- ✓ Lowest area-shore of dead sea(Jordan)
- ✓ Deepest area Mariana Trench in Pacific Ocean
- ✓ Mars is called **Red planet**.

- ✓ Sahara (Largest) desert touches 11 countries in Africa.
- ✓ Ladakh is the coldest desert present in Himalayas.
- ✓ India and Sri Lanka are separated by **PALK Strait** and **Gulf of Mannar**
- ✓ June 5 **World Environment Day**.
- ✓ Longest elevated national highway of 9.5 km inaugurated in Bangalore. This connects silk board junction and electronic city in Bangalore.
- ✓ Palakkad district in **Kerala** is the 1st district in the country which is fully electrified.

- ✓ The Earth is divided into 3 parts Crust (SIAL), Mantle (SIMA) and Core (NIFE)
- ✓ Crust and Mantle separated by Mohorovicic Discontinuity.
- ✓ Mantle and core separated by Gutenberg Discontinuity.
- ✓ The Himalayans are formed from the sea called **Tethys sea** which is situated between the Gondwana in the south and Angaraland(Laurasia)toNorth.
- ✓ Khadar is new Alluvium and Bangar is old alluvium.
- ✓ The Andamans and Nicobars are separated by the Ten degree channel.

- ✓ There are four main Islands in Japan. Hokkaido, Honshu, Shikoku and Kyushu.
- ✓ The coldest natural temperature ever recorded on Earth was $-89.2\text{ }^{\circ}\text{C}/-128.6\text{ }^{\circ}\text{F}$ at the Russian Vostok Station in Antarctica on 21 July 1983.
- ✓ Alexander Cunningham, the first Director General of the Archaeological Survey of India.
- ✓ Rushikulya is in Ganjam district of South Odisha. This is a place where the **Olive Ridley** **Turtles** lay eggs. Thousands of expectant mother turtles gather at one place during nights.
- ✓ The term Monsoon was first used in English in British India and the neighboring countries to refer to the big seasonal winds blowing from the Indian Ocean over the Bay of Bengal and the Arabian Sea.

✓ Exotica: These are the rivers that flow in deserts. Sindh and Nile rivers are the examples for Exotica rivers.

✓ South America is called '**Bird Continent**'.

✓ Mexico is the leading producer of sulphur in the World.

✓ Chile is the leading producer of Nitrates in the World.

✓ Solar Industry: In the year 2007 to put up 1 MW solar power plant, it cost Rs. 21 crore. Now it costs less than Rs. 10 crore. There are 2 methods to produce power through solar system Panel way and Mirror way. Under the Jawaharlal Nehru National Solar Mission (one of the 8 mission covered under the National Action Plan for Climate Change) the target is to creation of a capacity of 20, 000 MW from the grid connected to solar plants and addition 2,000 MW from non-grid.

✓ Cyclones are called 'Willy-Willies' by Australians.

✓ 'Andes' is the World's longest mountain chain.

✓ Chennai beach is the longest beach in the country.