

IPv4	IPv6
Deployed 1981	Deployed 1998
32-bit IP address	128-bit IP address
4.3 billion addresses Addresses must be reused and masked	7.9x10 ²⁸ addresses Every device can have a unique address
Numeric dot-decimal notation 192.168.5.18	Alphanumeric hexadecimal notation 50b2:6400:0000:0000:6c3a:b17d:0000:10a9 (Simplified - 50b2:6400::6c3a:b17d:0:10a9)
DHCP or manual configuration	Supports autoconfiguration

Belarus to the east and south, Poland to the south, and Kaliningrad Oblast of Russia to the southwest. Latvia and Estonia share borders and Estonia doesn't share borders with Lithuania.



Q.32) Ans: D

Exp:

PANCHAMRIT

- Recently at the **26th Conference of Parties (CoP26) to the United Nations Framework Convention on Climate Change in Glasgow**, Prime Minister Narendra Modi proposed a five-fold strategy for India to play its part in helping the world get closer to 1.5 degrees Celsius.
- The prime minister euphemistically termed his scheme as 'Panchamrita' meaning the 'five ambrosia'.
 - First-** India will reach its non-fossil energy capacity to 500 GW by 2030.
 - Second-** India will meet 50 percent of its energy requirements from renewable energy by 2030.
 - Third-** India will reduce the total projected carbon emissions by one billion tonnes from now onwards till 2030.
 - Fourth-** By 2030, India will reduce the carbon intensity of its economy by less than 45 percent.
 - Fifth-** by the year 2070, India will achieve the target of Net Zero. These panchamrits will be an unprecedented contribution of India to climate action.
- 'Panchamrita' is a traditional method of mixing **five natural foods** — milk, ghee, curd, honey and jaggery. These are used in Hindu and Jain worship rituals. It is also used as a technique in Ayurveda.

Q.33) Ans: B

Exp:

Lithuania

- Lithuania is a country in the Baltic region of Europe. It is one of three Baltic states and lies on the eastern shore of the Baltic Sea. Lithuania shares land borders with Latvia to the north,

- Lithuania has a temperate climate with both maritime and continental influences. It is defined as humid continental (Dfb) under the Köppen climate classification.

Q.34) Ans: C

Exp:

- Statement in option A is correct:** Swachh Survekshan is an annual survey of cleanliness, hygiene and sanitation in cities and towns across India. It was launched as part of the Swachh Bharat Abhiyan, which aimed to make India clean and free of open defecation by October 2, 2019.
- Statement in option B is correct:** Ministry of Housing and Urban Affairs (MoHUA) conducted the sixth edition of the survey to rank all cities under Swachh Bharat Mission-Urban (SBM-U) with Quality Council of India (QCI) as its implementation partner in a bid to scale up the coverage of the ranking exercise and encourage towns and cities to actively implement mission initiatives in a timely and innovative manner.
- Statement in option C is incorrect:** Indore won the title of **cleanest city for the fifth consecutive** time followed by Surat and Vijayawada in more than 1 lakh population category. The first survey, which was undertaken in 2016, covered 73 cities; by 2021, in its sixth edition, the survey had grown to cover 4320 cities and was said to be the largest cleanliness survey in the world.

Q.35) Ans: B

Exp:

About SITMEX:

- SITMEX is the trilateral exercise between India, Thailand and Singapore. SITMEX is being conducted annually since 2019 with an aim to enhance mutual interoperability and imbibing