

SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution) COIMBATORE-35 DEPARTMENT OF MECHANICAL ENGINEERING



Geography in India

Location and Borders: India is a country located in South Asia. It is bordered by Pakistan to the northwest, China and Nepal to the north, Bhutan to the northeast, and Bangladesh and Myanmar to the east. To the south, it is bounded by the Indian Ocean.

Physical Features: India is characterized by diverse geographical features, including mountains, plains, deserts, and coastline.

- 1. **Himalayas:** The northern border of India is marked by the majestic Himalayan mountain range. This range is home to some of the world's highest peaks, including Mount Everest.
- 2. **Northern Plains:** South of the Himalayas lies the vast Indo-Gangetic Plain, also known as the Northern Plains. This fertile region is watered by numerous rivers, including the Ganges, Yamuna, and Brahmaputra.
- 3. **Western and Eastern Ghats:** Along the western and eastern coasts of India run two mountain ranges known as the Western Ghats and the Eastern Ghats. These are not as high as the Himalayas but have significant ecological and cultural importance.
- 4. **Thar Desert:** In the northwestern part of India lies the Thar Desert, which is one of the largest deserts in the world. It spans across parts of the states of Rajasthan and Gujarat.
- 5. **Plateaus and Deccan Plateau:** The central part of India is dominated by the Deccan Plateau, a relatively flat and elevated region. It is bordered by the Western and Eastern Ghats.
- 6. **Coastline:** India has a long coastline along the Arabian Sea to the west, the Bay of Bengal to the east, and the Indian Ocean to the south. This coastline contributes to India's maritime importance.
- 7. **Islands:** India has two major island groups: the Andaman and Nicobar Islands in the Bay of Bengal, and the Lakshadweep Islands in the Arabian Sea.

Rivers: India is crisscrossed by numerous rivers that play a vital role in its irrigation, transportation, and cultural activities. Some of the major rivers include the Ganges, Yamuna, Brahmaputra, Indus, Godavari, Krishna, and Narmada.

Climate: India experiences a wide range of climates due to its vast size and varied geography. It has tropical, subtropical, and temperate climatic zones. The monsoon plays a crucial role in India's climate, bringing the majority of its annual rainfall during the rainy season.

Biodiversity: India is incredibly biodiverse, with a variety of ecosystems and wildlife. It's home to several national parks and wildlife sanctuaries that aim to protect its rich biodiversity, including iconic species like Bengal tigers, Indian elephants, and various species of deer.

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