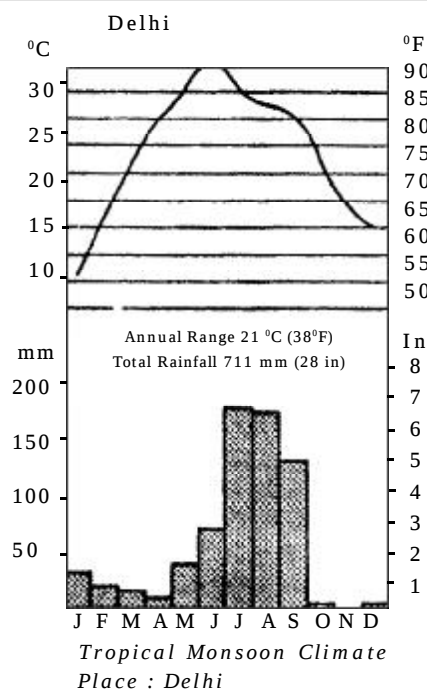
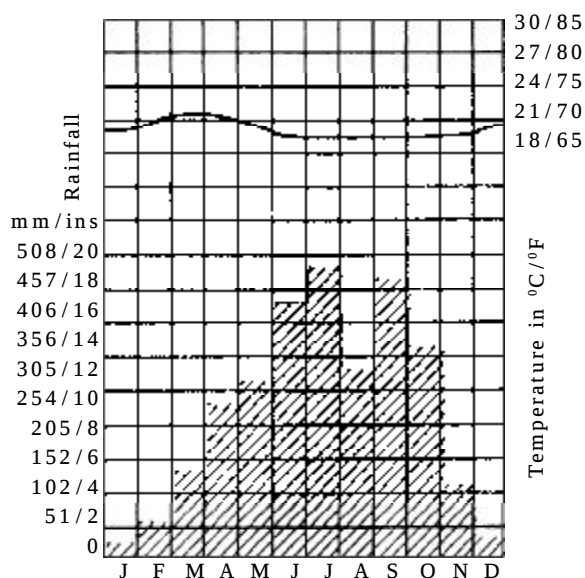


CHAPTER - 9

CLIMATIC REGION OF THE WORLD

Equatorial Climatic Region (0-10° N and S Latitude)

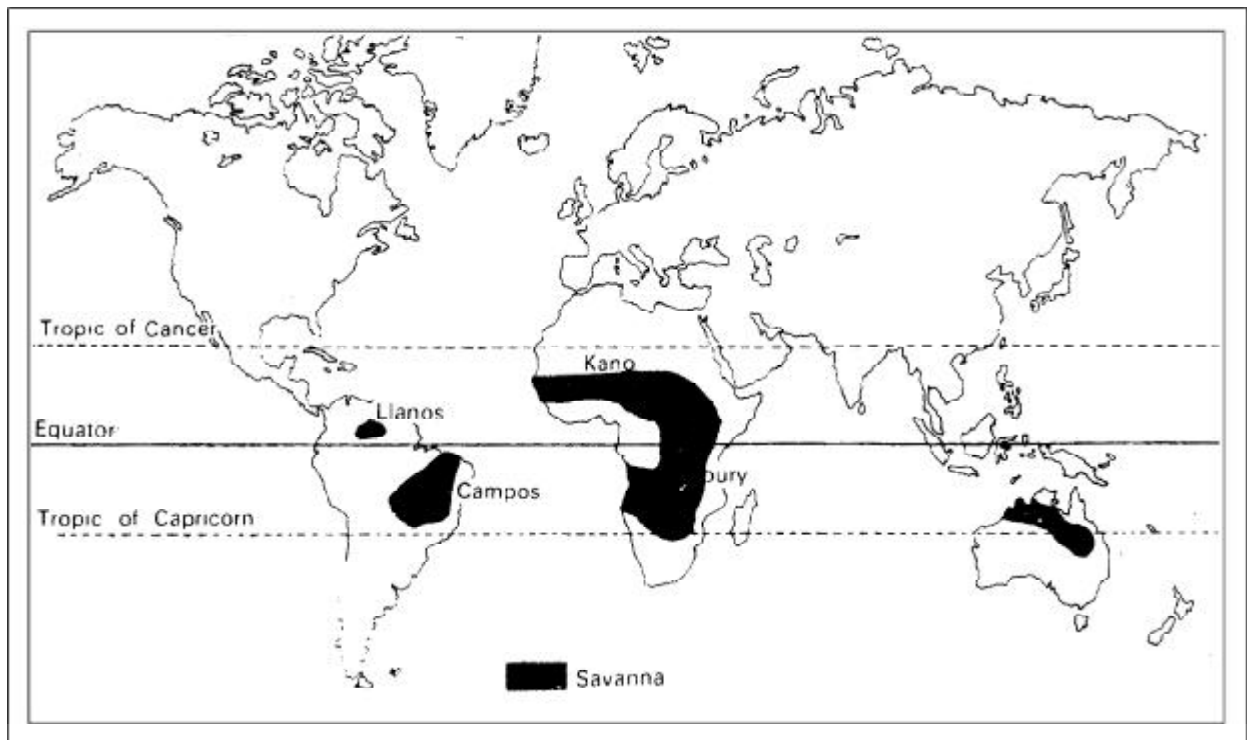
CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Hot, Wet Equatorial	High uniform temperature (27°C) and heavy well distributed rainfall throughout the year with no distinct season.	Lowlands of the Amazon (South America), the Congo (Africa), Malaysia and the East Indies (Asia).	Kuala Lumpur (Malaysia)-A lowland station. Quito (Ecuador)-A highland station.



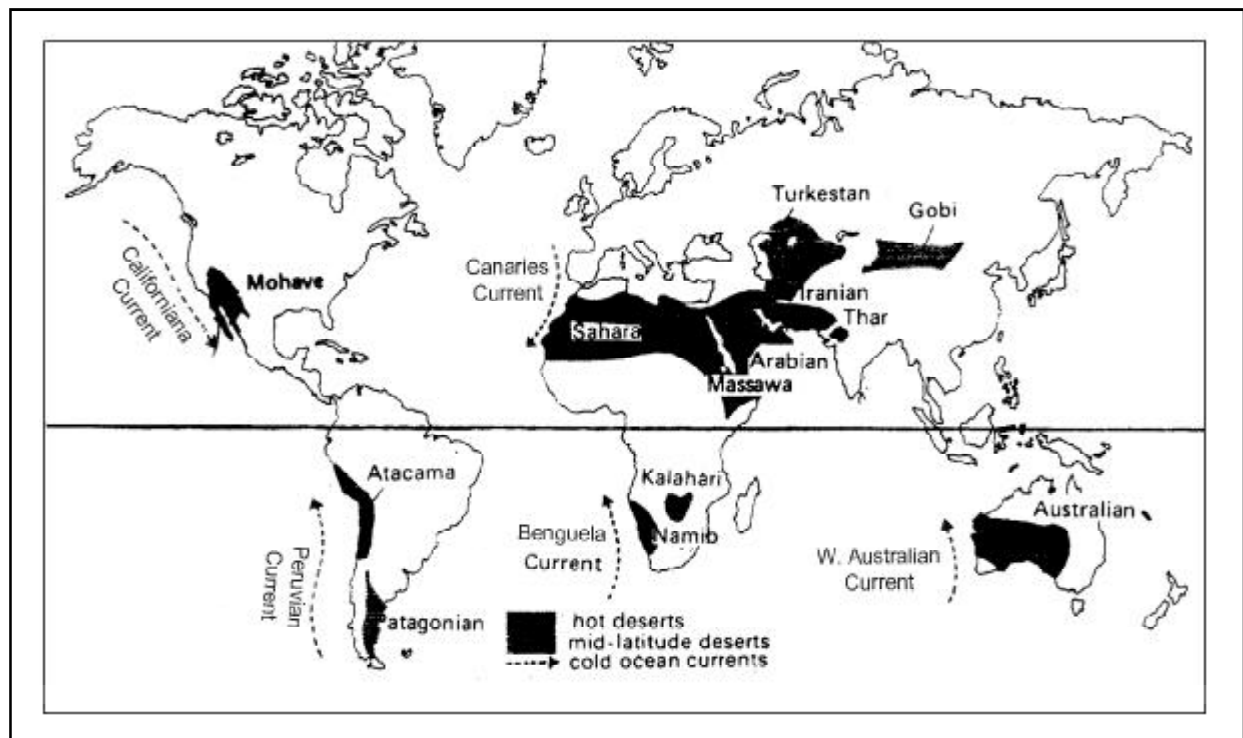
Tropical Monsoon and Tropical Marine Climate Region

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Tropical Monsoon	Heavy rain with on-shore wet-monsoons in summer and offshore dry monsoons in the winter with three distinct seasons.	Best developed in the Indian sub-continent, South East Asian countries, Southern China (Asia) and Northern Australia. Other regions are Central America, West India (North America), northern coastal region of South America.	Mumbai (India) Cairns (Australia)
Tropical Marine	Experienced along the eastern coasts of tropical lands. Precipitation at most places throughout the year from the Trade Winds.	Eastern Brazil (South America), parts of East Africa Madagascar (Asia), the Philippines (Asia) and Northeastern Australia	Durban (South Africa), Havana (Cuba), Manila (Philippines)

The Tropical Continental or Savanna Climatic Region

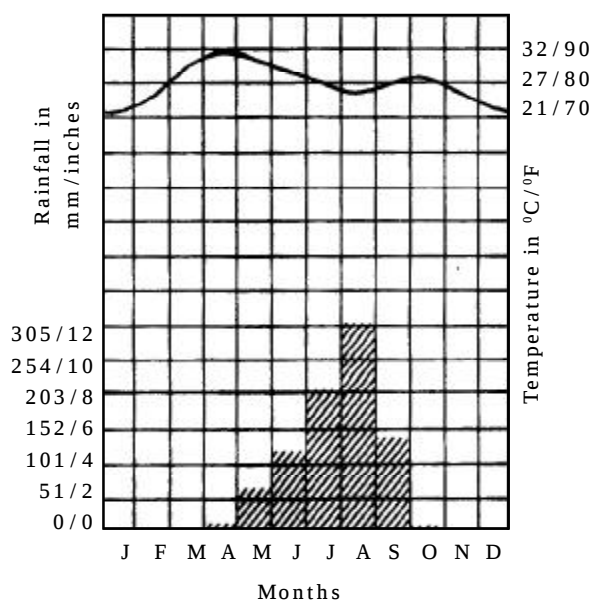


Tropical and Temperate Desert Climatic Region



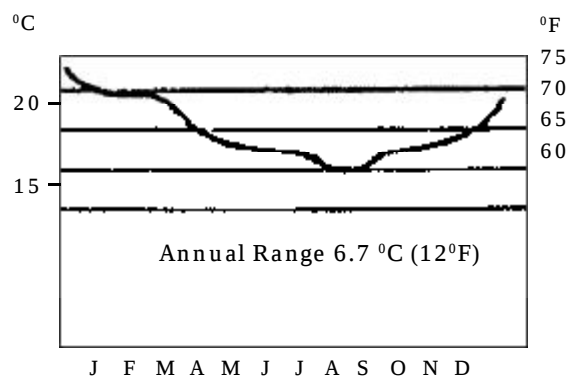
Tropical Continental Climatic Region (Sudan Climate or the Savanna Type)

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Tropical Continental (Sudan Climatic or the Savanna Type)	Transitional type of climate found between the equatorial rain forests and the trade wind deserts. Characterised by alternate hot rainy seasons and cool dry season and moderate rainfall.	Best developed in the Southern fringe of Sahara in Sudan (Africa.) Other Areas: East Africa, Southern Africa north of the Tropic of Capricorn (Africa), Llanos of Orinoco Basin and the <i>Campos</i> of Brazilian Highlands (South America) and to the south of Monsoon region in Australia.	Kano (Nigeria) Salisbury (Zimbabwe)



The Savanna or Sudan Climate
Place: Kano, Nigeria

Antofagasta

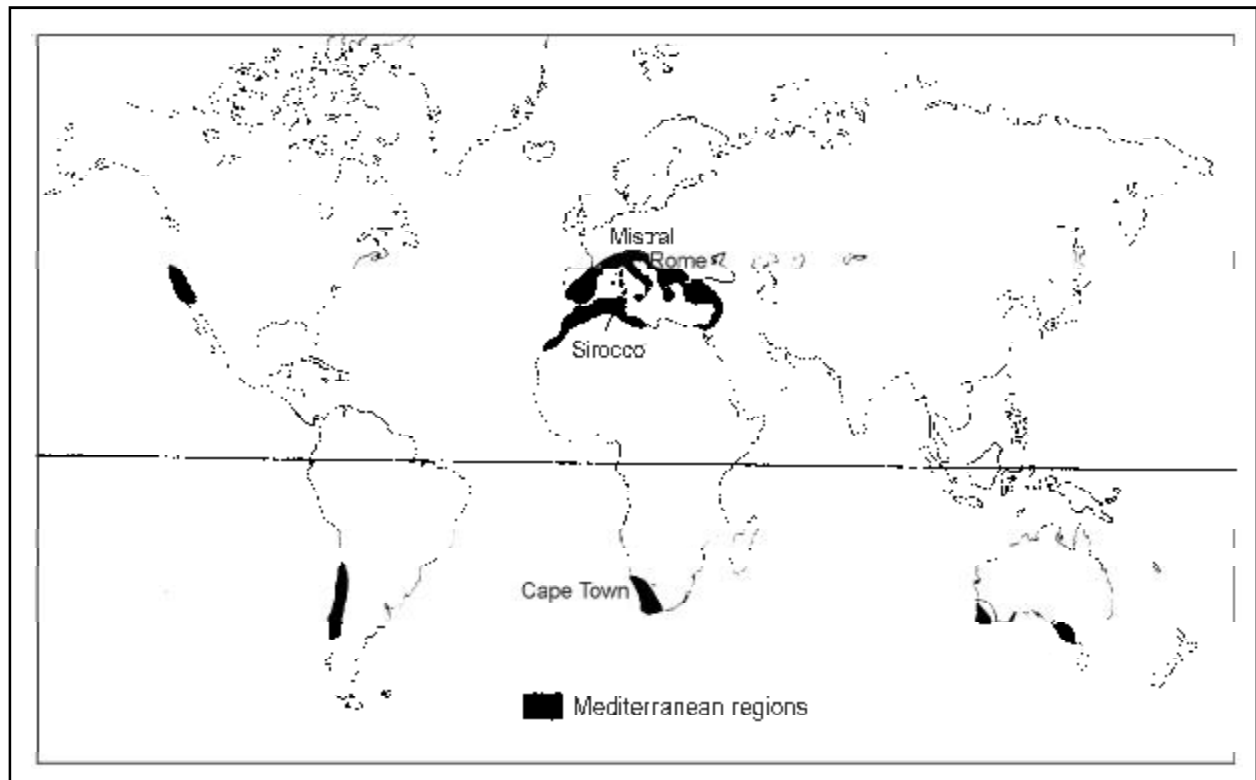


Tropical Arid / Desert Climate
Place : Antofagasta

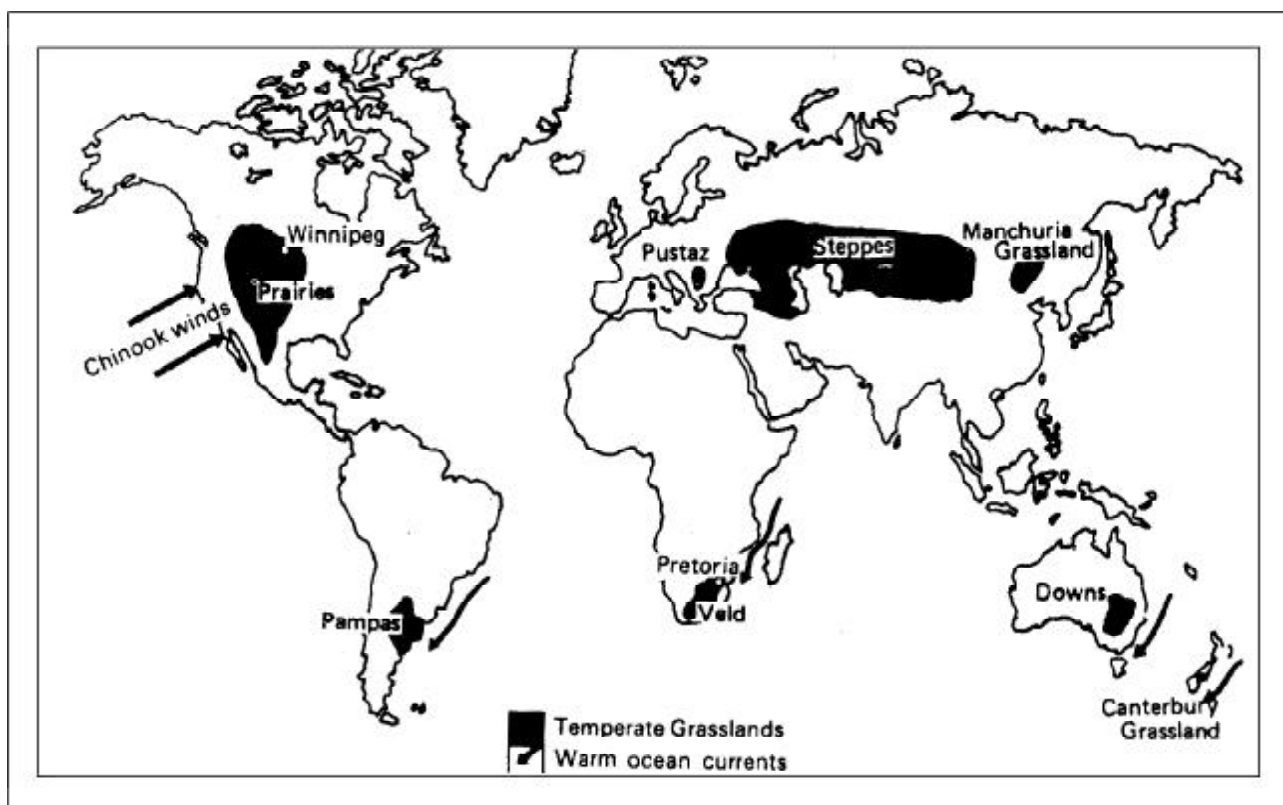
Tropical and Temperate Desert Climate Region

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Tropical Desert	Region of scanty rainfall which is mainly due to the effect off-shore Trade winds mainly located on the western coasts of continents between latitude 15° to 30° N and S.	The Mohave (Mojave), Sonoran, Californian and Mexican desert (North America); The Atacama or Peruvian desert (South America); The Sahara Kalahari and Namib desert (Africa); The Arabian, Iranian, Thar (Asia); The Great Australian desert (Australia).	Massava (Ethiopia) Tropical Desert
Temperate Deserts	Temperate desert is the region of rain-shadow desert.	Patagonia Turkestan and Gobi.	Kashgar (China) Temperate Desert

Warm Temperate Western Margin or Mediterranean Climatic Region



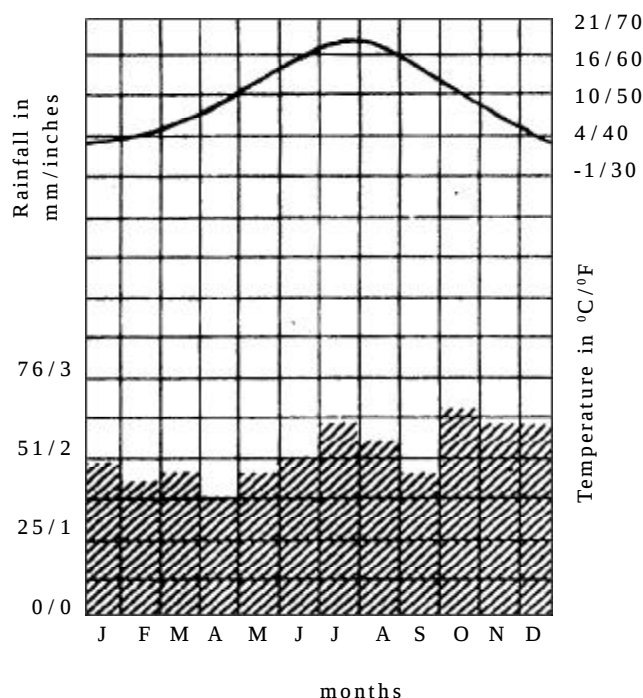
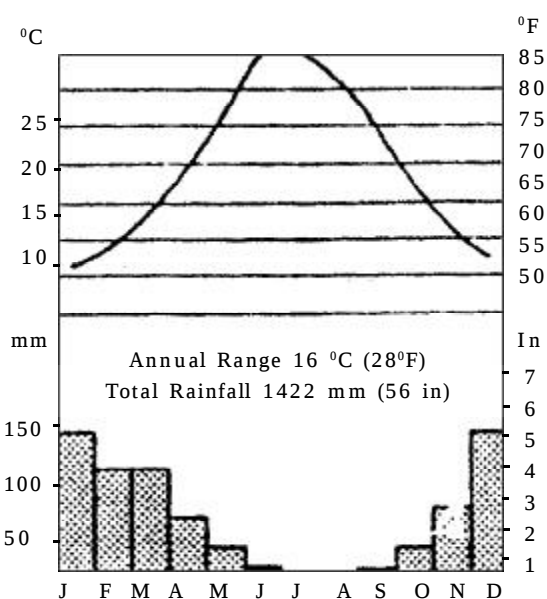
Cool Continental Climatic Region or Steppe Type



Warm Temperate Western Margin or Mediterranean Climatic Region

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Western Margin (Mediterranean type)	Characterized by a dry, warm summer with off-shore Trades and winter rain with on-shore Westerlies. The basic cause of this climate is the shifting of wind belts.	Best developed around the shores the Mediterranean Sea, Central California (N. America), Central Chile (South America), South Africa, and Southern Australia (Adelaide to Melbourne).	Rome (Peninsular Italy), San Francisco, Sacramento (California), Santiago (Chile) and Perth (Australia).

New Orleans

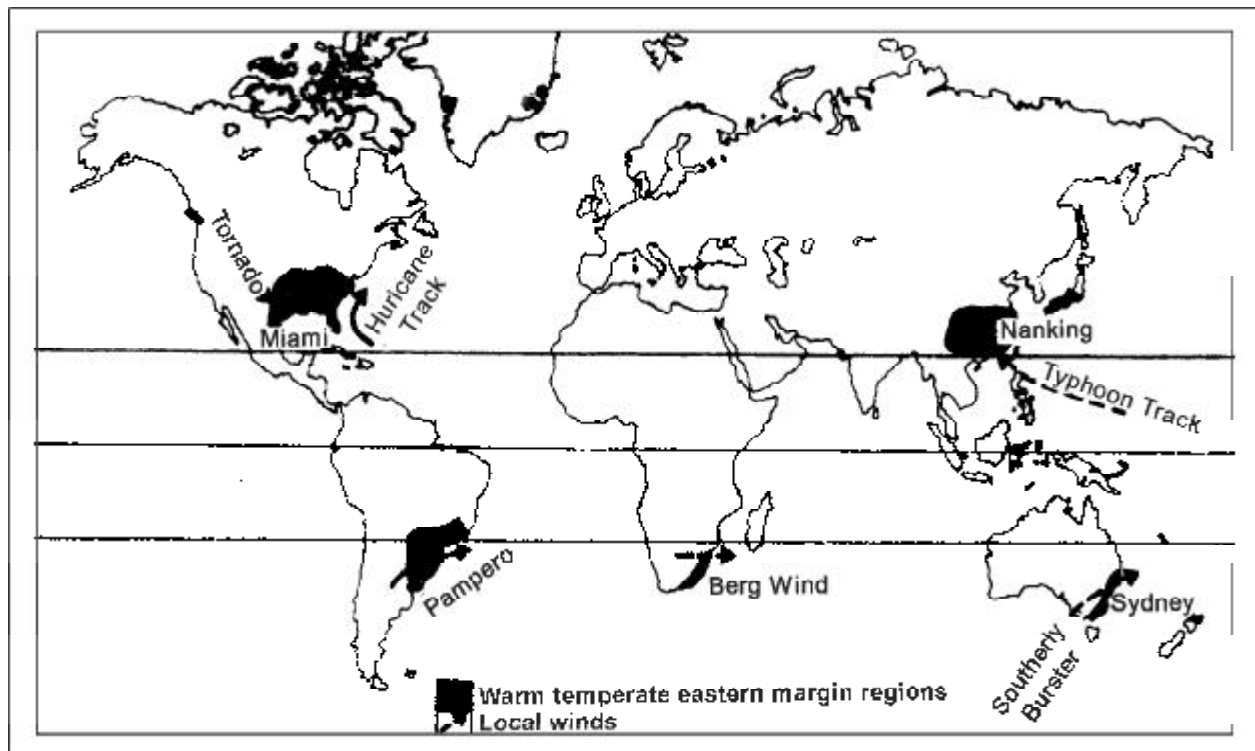


British Type of Climate
Place : London

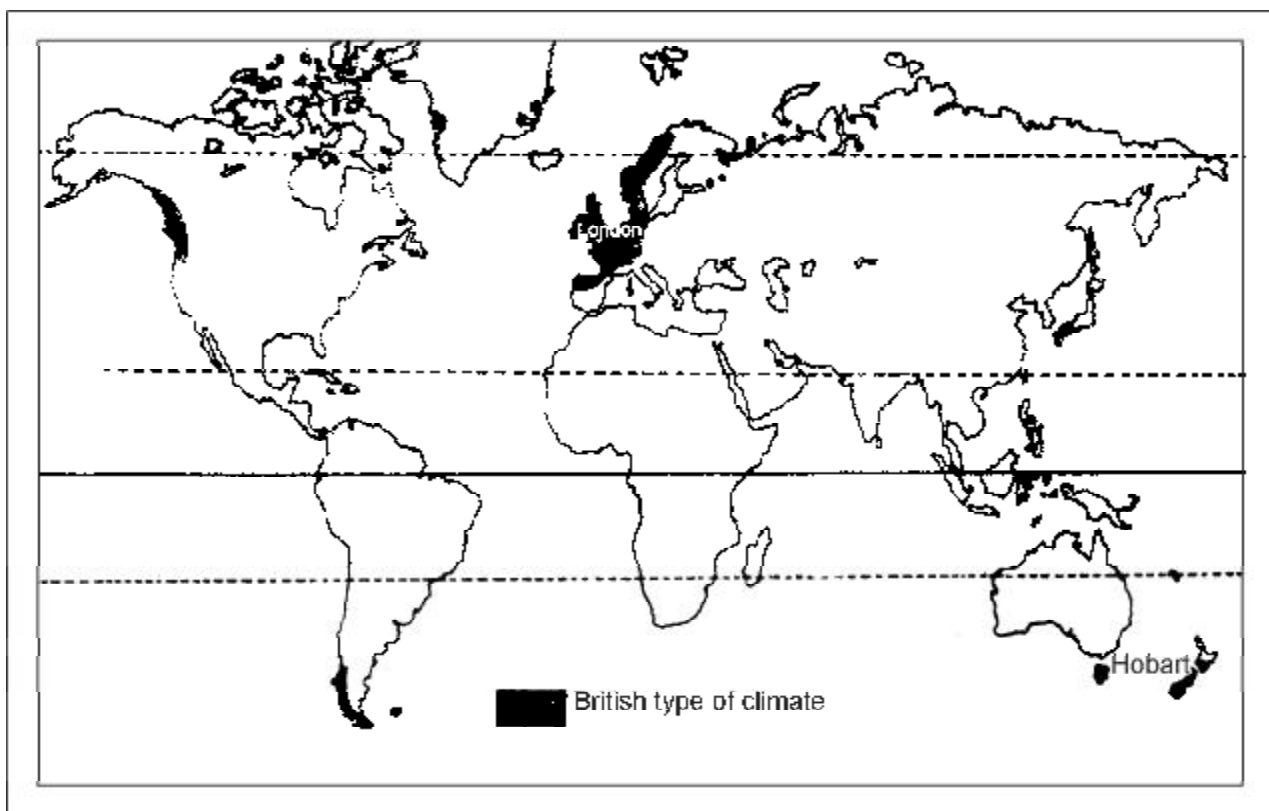
Cool Continental Climatic Region of Steppe Type

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Central Continental (Steppe Type)	Located in the heart of continues with extremes of temperatures, cold winters and hot summers with light summer rain.	Best developed in the interior of North America and Eurasia. Also in the Southern Hemisphere mainly Argentina-Urugay, South Africa and Australia. But due to the narrowness of the southern continents the climate is restricted and less continental.	Winnipeg (Central Canada), Moscow (Russia), Pretoria (South Africa).

Warm Temperate Eastern Margin Climatic Region or China Type



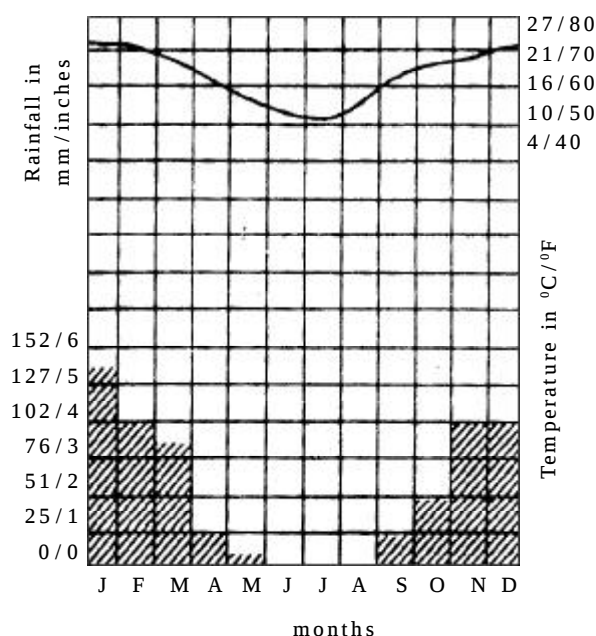
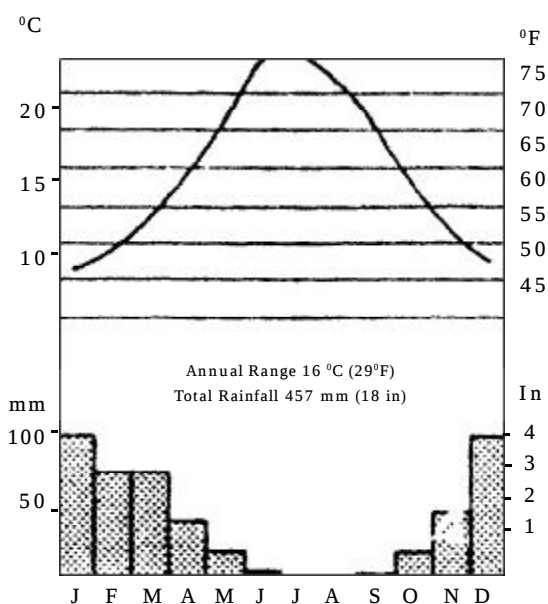
Cool Temperate Western Margin Climatic Region or British Type



Eastern Margin Climatic Region or China Type

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Eastern Margin (China Type)	Warm moist summer and a cool dry winter, more rainfall than the Mediterranean climate.	Gulf Type: South Eastern USA. China Type: Central China (Temperate Monsoon). Natal Type: Eastern part of Pampas (Argentina), south eastern Africa and south-eastern Australia.	Miami (Florida) USA Nanking (China) Buenos Aires (Argentina) Sydney (Australia)

Scaramento

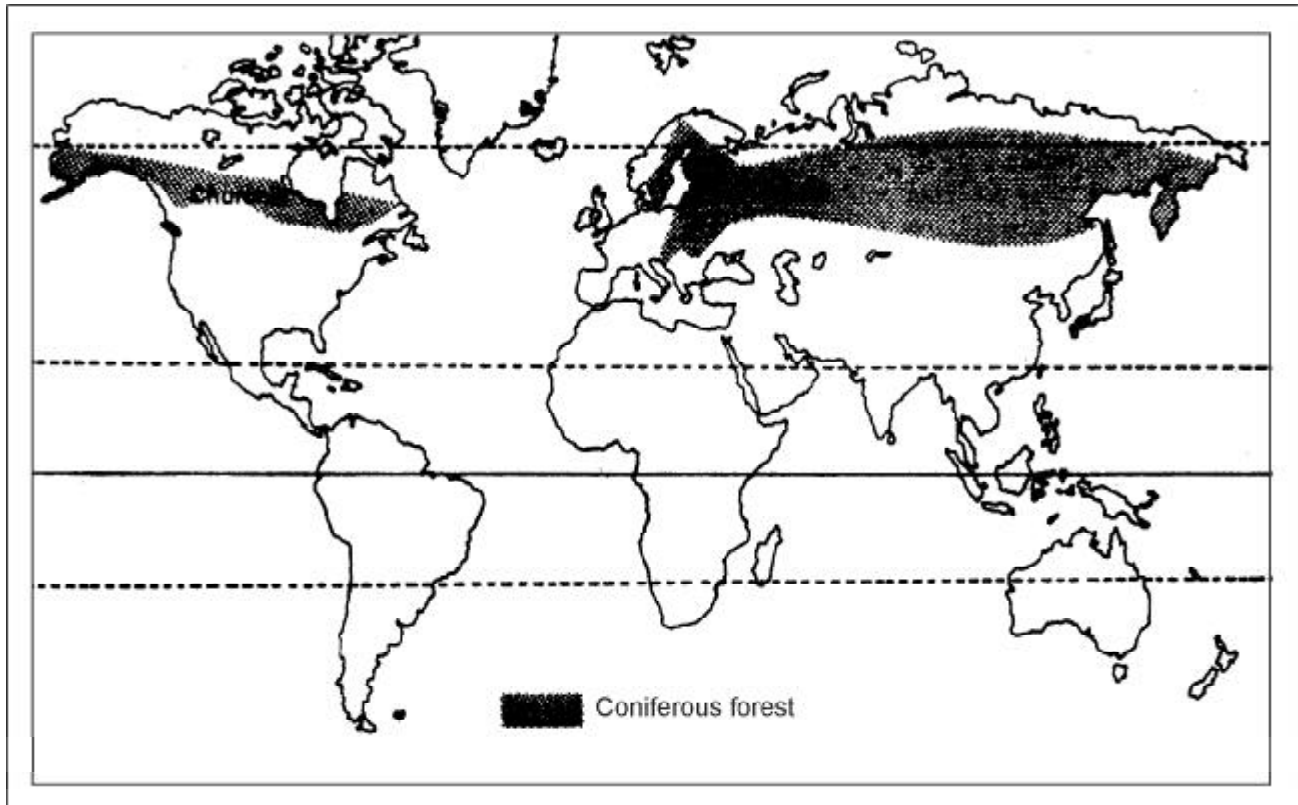


Steppe Climate in the Southern Hemisphere
Place : Pretoria, Transvaal, S. Africa.

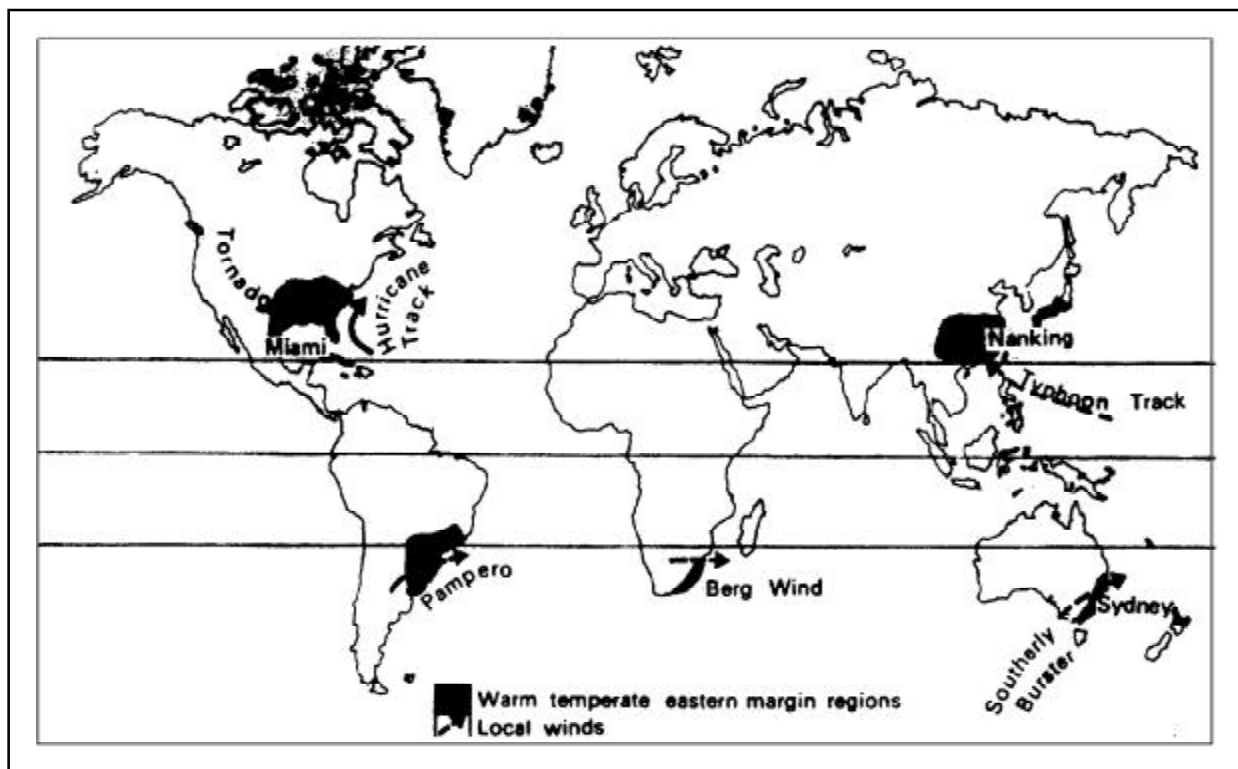
Cool Temperate Western Margin Climatic Region or British Type

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Western Margin (British Type)	Under the influence of Westerlies all the year round and also the regions of much cyclonic activity. Warm summers and mild winters with four distinct seasons. Ideal for maximum comfort and mental alertness.	Best developed in British Columbia (Western Canada), Northwest Europe, coastal Southern Chile (South America), Tasmania (Australia) and South Island of New Zealand.	Vancouver (Canada), London (British Isles), Hobart (Tasmania).

Central Continental Climatic Region or Siberian Type

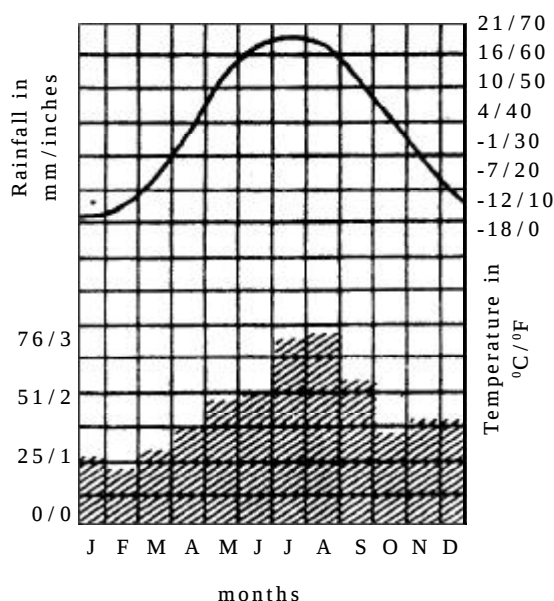


Cool Temperate Eastern Margin Climatic Region or Laurentian Type

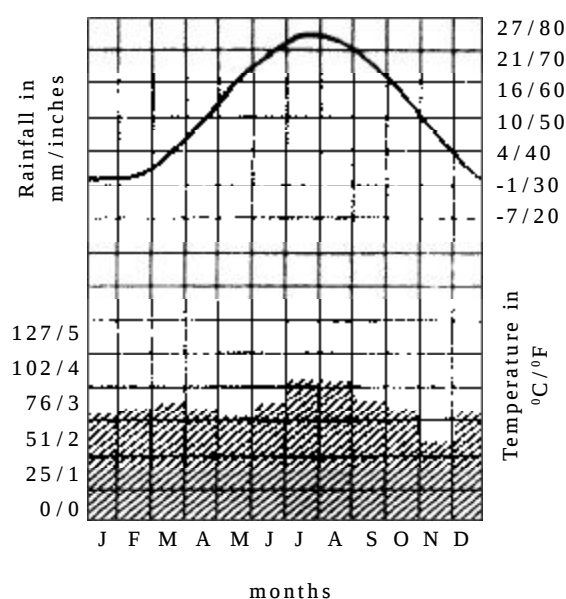


Central Continental Climatic Region or Siberian Type

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Central Continental Type) or Siberian Type	Characterized by a bitterly cold winter and cool brief summer with light rain. Only in Northern Hemisphere.	Best developed in the interior of North America and Eurasia between latitudes 35° N and 60°N.	Churchill (Manitoba) (Canada), Moscow (Russia).



Siberian Climate in Eurasia
Place : Moscow

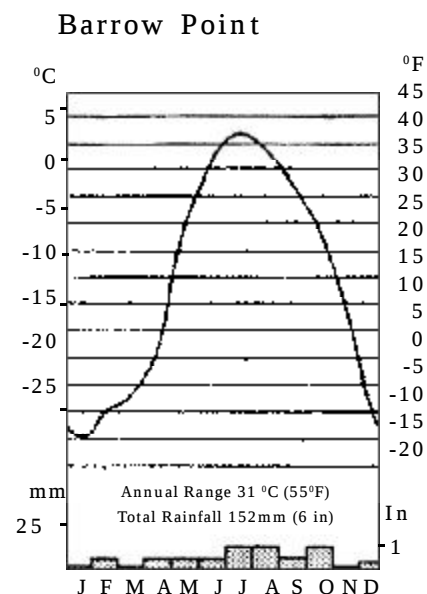
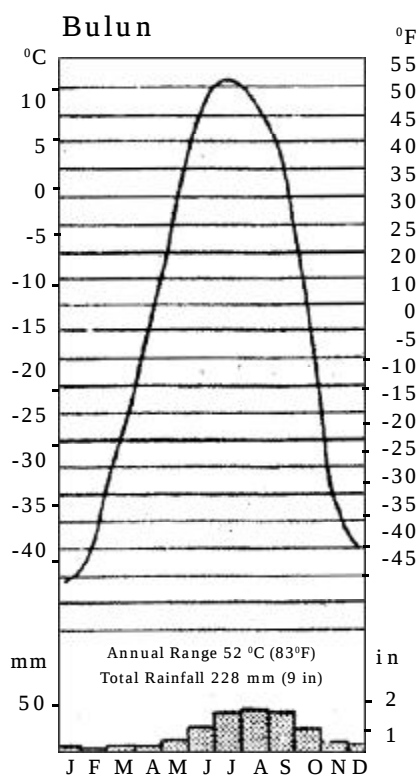
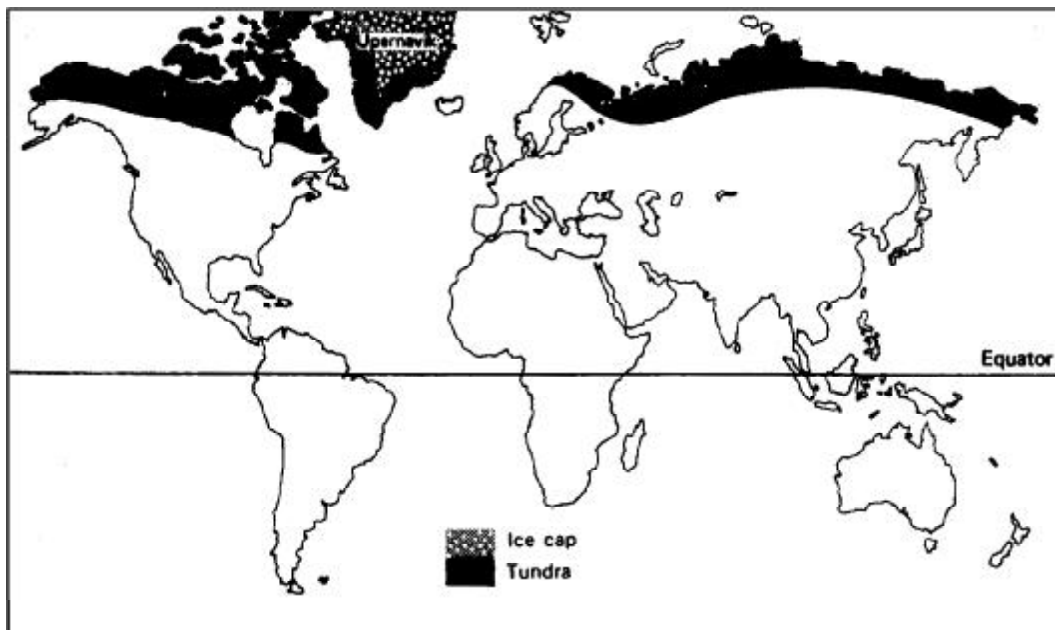


Laurentian Type of Climate
Place : New York

Cool Temperate Estern Margin Climatic Region or Laurentian Type

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Estern Margin (Laurentian Type)	Cold dry winters and warm wet summers with a fairly well distributed rainfall in drizzles.	Best developed in North-eastern North America including the Maritime provinces of Eastern Canada and the New England states of USA and also in North China, Manchuria, Korea and northern Japan.	Montreal (Canada) New York (USA) and Peking (China).

Arctic Polar or Tundra Climatic Region



Arctic Polar or Tundra Climatic Region

CLIMATIC TYPE	CHARACTERISTICS	DISTRIBUTION (CONTINENT)	SELECTED STATION (COUNTRY)
Arctic Polar (Tundra)	Long severe cold winter and brief cool summers with very light precipitation.	Barren grounds of Northern Canada and Alaska, coastal strip of Greenland and the Arctic sea board of Eurasia	Upernavik (Greenland).