

ZOOGEOGRAPHY

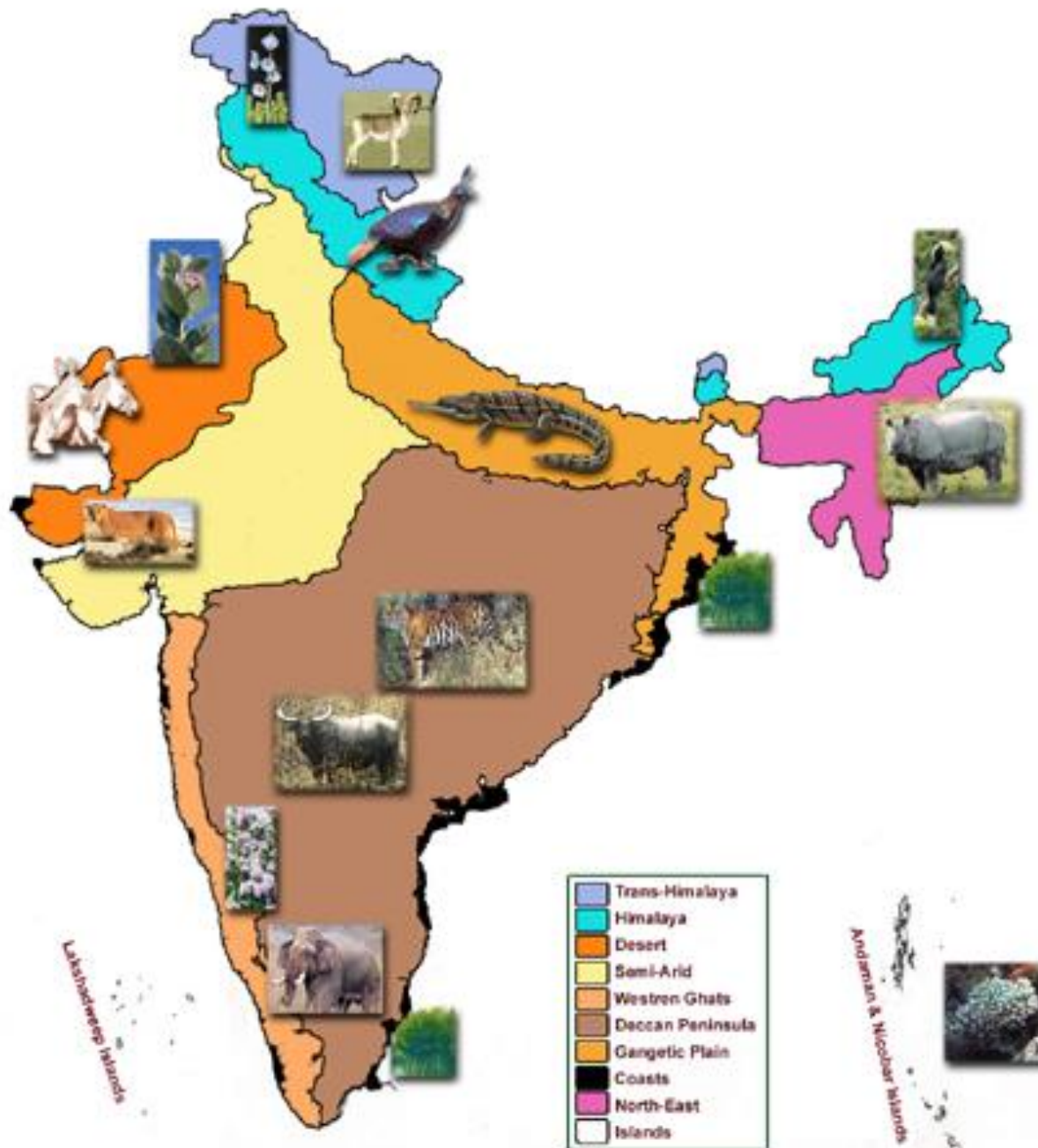
V Sem B.Sc. Zoology – Core Course VII –
Ethology, Evolution & Zoogeography

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BIOGEOGRAPHIC ZONES OF INDIA

BIOGEOGRAPHIC ZONES OF INDIA





- Trans-Himalaya
- Himalaya
- Desert
- Semi-Arid
- Western Ghats
- Deccan Peninsula
- Gangetic Plain
- Coasts
- North-East
- Islands

Lakshadweep Islands

Andaman & Nicobar Islands

INTRODUCTION

- ECOZONE – Areas equivalent to zoogeographic regions
- 10 biogeographic zones of India
- The Trans Himalayas
- The Himalayas
- The Desert Zone
- The Semi Arid Zone
- The Western Ghats

ZONES

- The Deccan Plateau
- The Gangetic Plains
- The Coasts
- The Northeast Zone
- The Island Zone

TRANS HIMALAYAS

- High altitude cold and arid areas of Ladakh, Kashmir, Lahul-Spiti & North Sikkim
- Wild sheep and goat communities
- Rare fauna – snow leopard, black necked crane

TRANS HIMALAYAS



TRANS HIMALAYAS



THE HIMALAYAS

- Richest areas of species diversity
- Alpine, sub alpine, large meadows, moist mixed deciduous forests
- Bharal, Ibex, Himalayan Thar, Takin, Markhor
- Rare – Hangul, Musk Deer
- One province in east Himalayas - Hot Spot

HANGUL



BHARAL



IBEX



MARKHOR



MUSK DEER



TAKIN



HIMALAYAN TAHR



HIMALAYAS



HIMALAYAS



HIMALAYAS



HIMALAYAS



THE DESERT ZONE

- THAR desert – Gujarat & West Rajasthan
- Extensive grasslands and scrub
- Hot & arid condition
- Rich desert flora & faunal diversity
- Wolf, Caracal, Great Indian Bustard

GREAT INDIAN BUSTARD



CARACAL



DESERT



Indian Climate Map

DESERT



DESERT LIFE



DESERT LIFE



SEMI ARID ZONE

- TRANSITION ZONE BETWEEN DESERT AND WESTERN GHATS
- GUJARAT
- AXIS DEER, LION, SAMBHAR, CARACAL , ETC

SEMI ARID ZONE



SEMI ARID ZONE



THE WESTERN GHATS

- 1600 kms
- Tapti River, Gujarat to Kanyakumari
- Biodiversity hotspot
- Species richness and endemism

THE WESTERN GHATS



THE WESTERN GHATS



THE DECCAN PLATEAU

- SEMI ARID REGION IN RAIN SHADOW REGION OF WESTERN GHATS
- MADHYA PRADESH, MAHARASHTRA, ORISSA
- DECIDUOUS FORESTS
- GAUR, AXIS DEER, SAMBAR DEER, BARKING DEER, CHOUSINGHA

CHOUSINGHA



THE DECCAN PLATEAU



THE DECCAN PLATEAU



THE GANGETIC PLAINS

- A flat alluvial plains
- Rhino, elephant, swamp deer, hog deer

THE GANGETIC PLAINS



THE COASTS

- East coast & West coast
- 7516 kms
- West Coast – Malabar coast, Konkan coast
- East Coast – Coramandel Coast, Northern Circas

THE COASTS



THE COASTS



MANGROVES



THE NORTH EAST

- 17% FOREST COVER OF INDIA
- 50% OF VASCULAR PLANT SPECIES
- RICH SPECIES DIVERSITY OF FAUNA

NORTH EAST INDIA



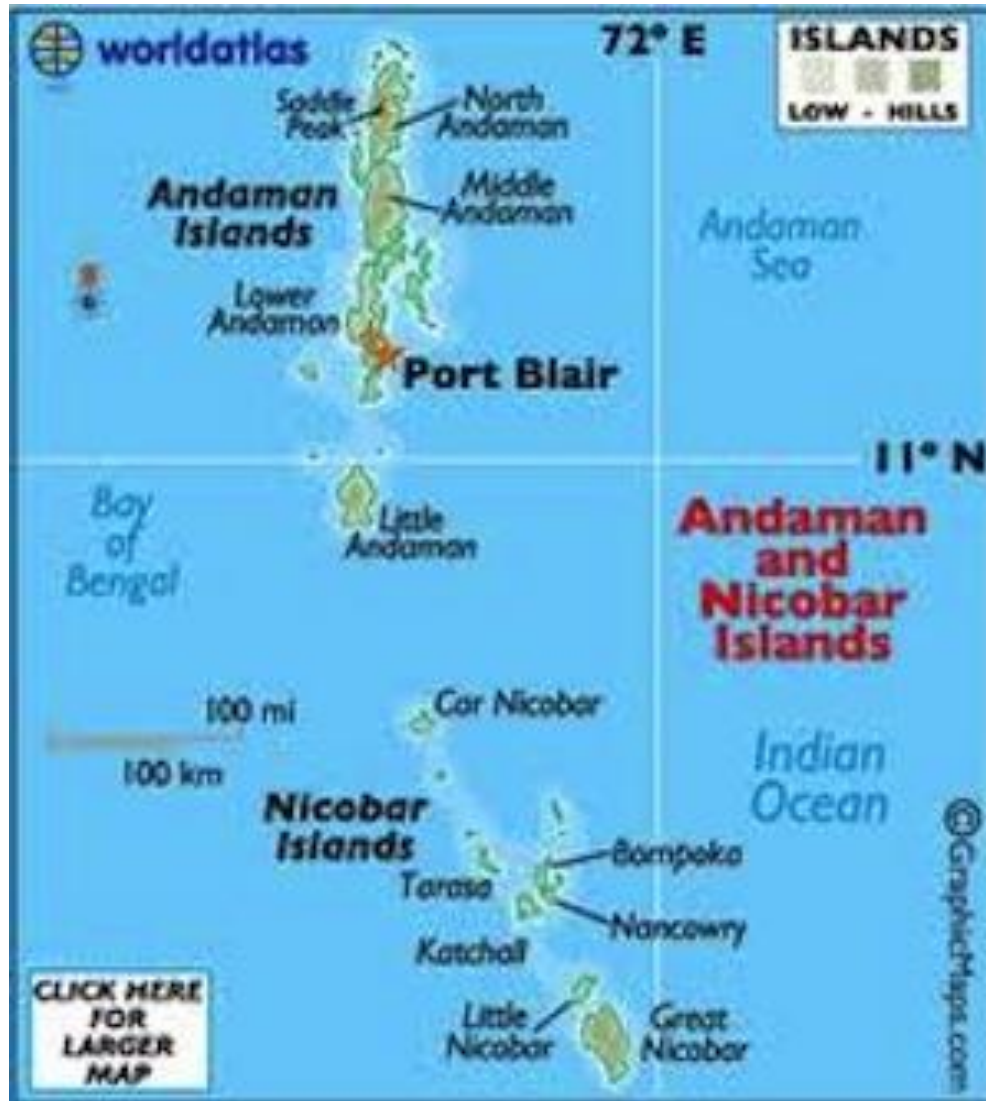
THE NORTH EAST



THE ISLANDS

- TWO TYPES – Coralline Islands – Lakshadweep Islands
- - Submerged Islands – mountain tops with tropical forests – Andaman Nicobar Islands
- Floral and Faunal diversity

Andaman Nicobar Islands

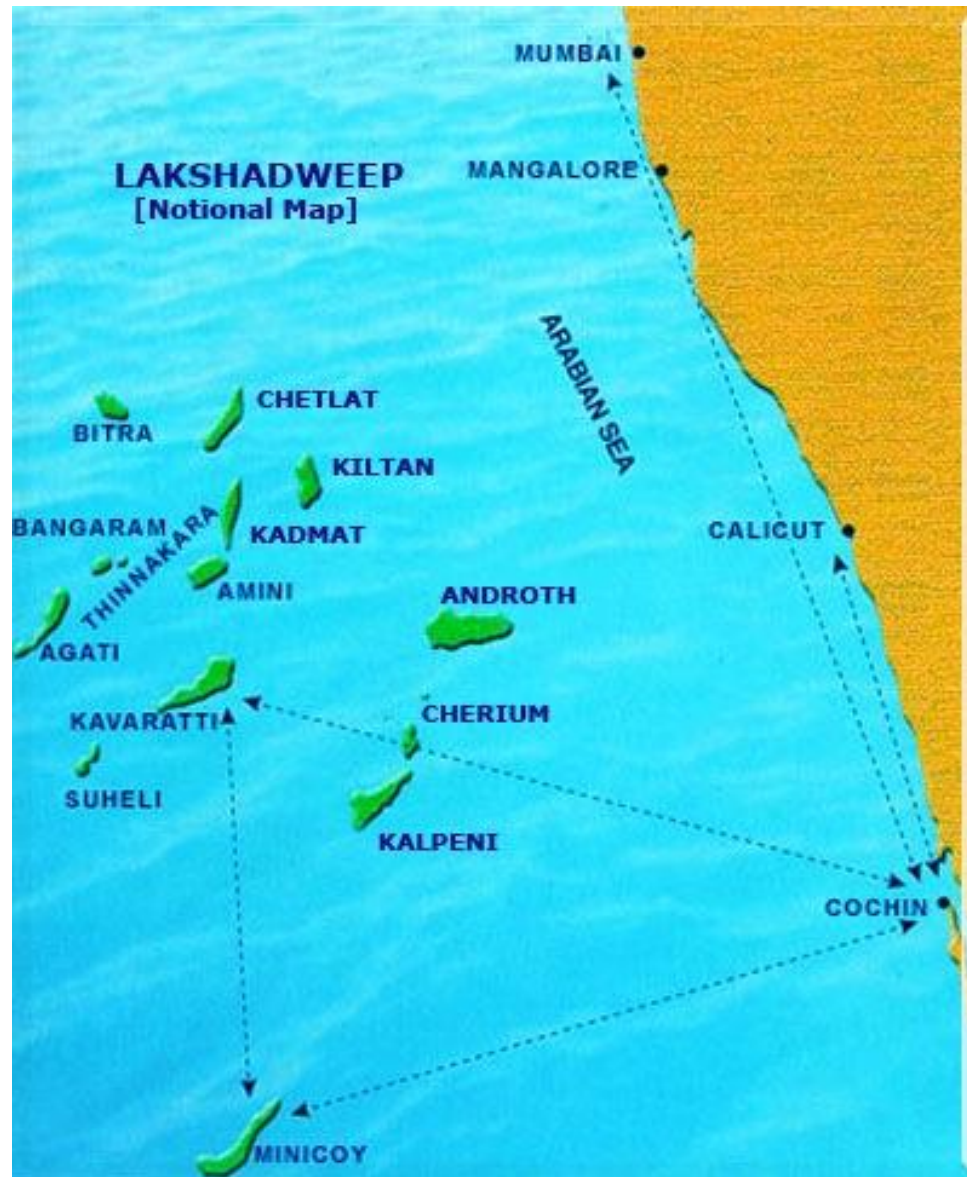


Andaman Nicobar Islands



Andaman Nicobar Island

Lakshadweep Islands



THANK YOU

