





# WBCS 2022



**SCIENCE**

# BIODIVERSITY



**LIVE** 12:00 PM

**17 Feb 2022**

# HOW TO STUDY SCIENCE FOR ANY EXAM

- General appreciation
- ~~Understanding of science~~
- ~~Matters of everyday observation~~
- ~~Experience expected from an educated person not having made special studies of scientific disciplines.~~
- ~~Science and Scientific & Technological advancement~~
- ~~Environment~~

Science  
Background

Non-Sci  
Background

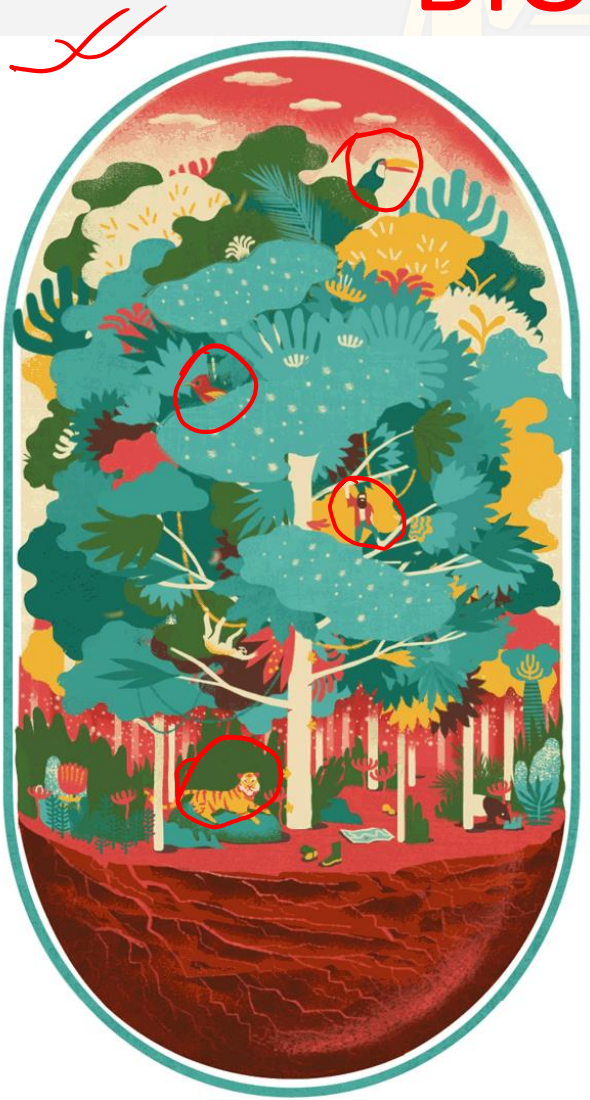
Environment  
eg. Acid rain  
Pollution

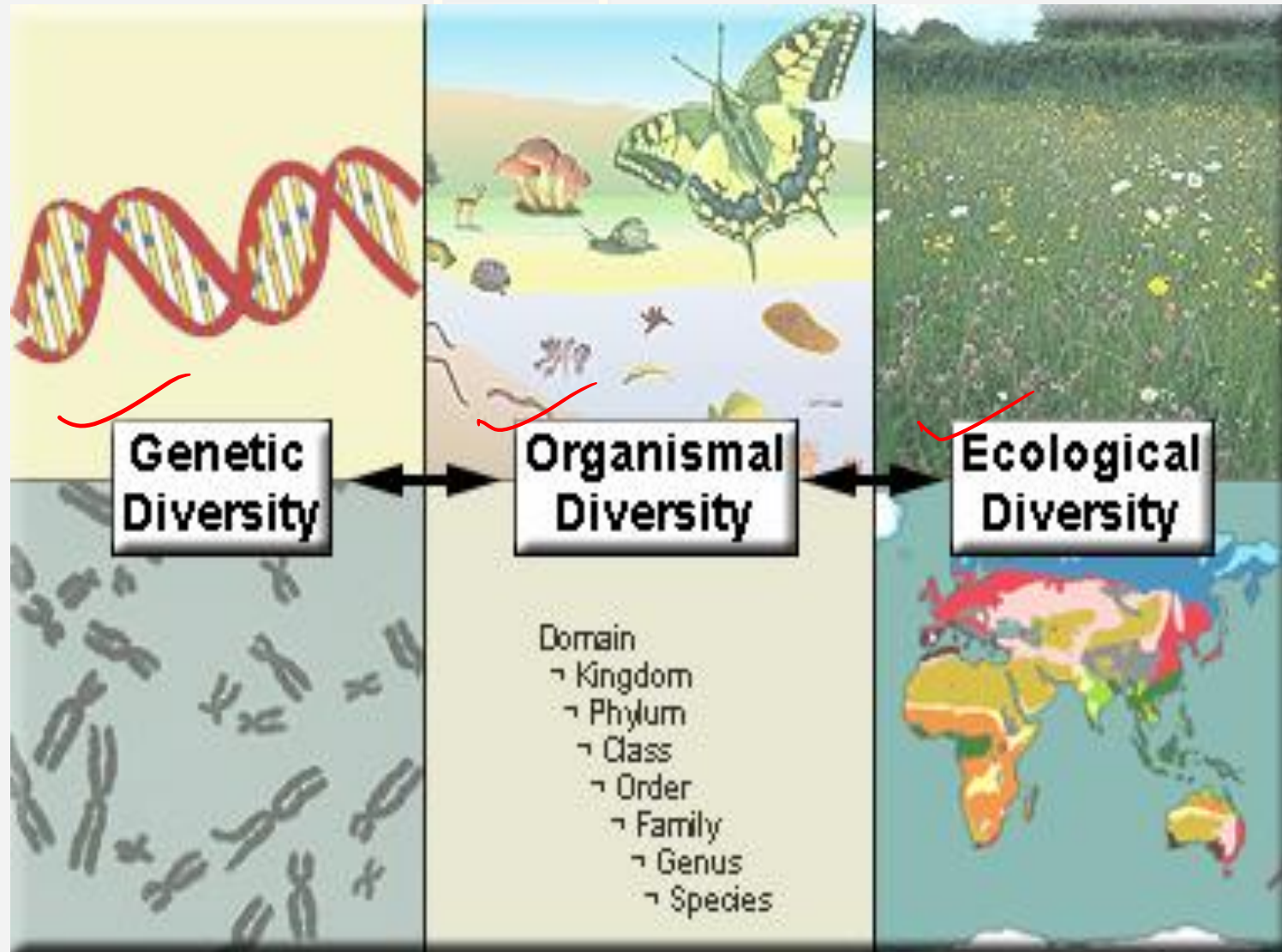


# BIODIVERSITY & CONSERVATION

## জীববৈচিত্র্য ও সংরক্ষণ

- Biodiversity is the term popularised by the sociobiologist Edward Wilson [1885] to describe the combined diversity at all the levels of biological organisation.
- Concept of biodiversity was given by W.G Rosen in 1985



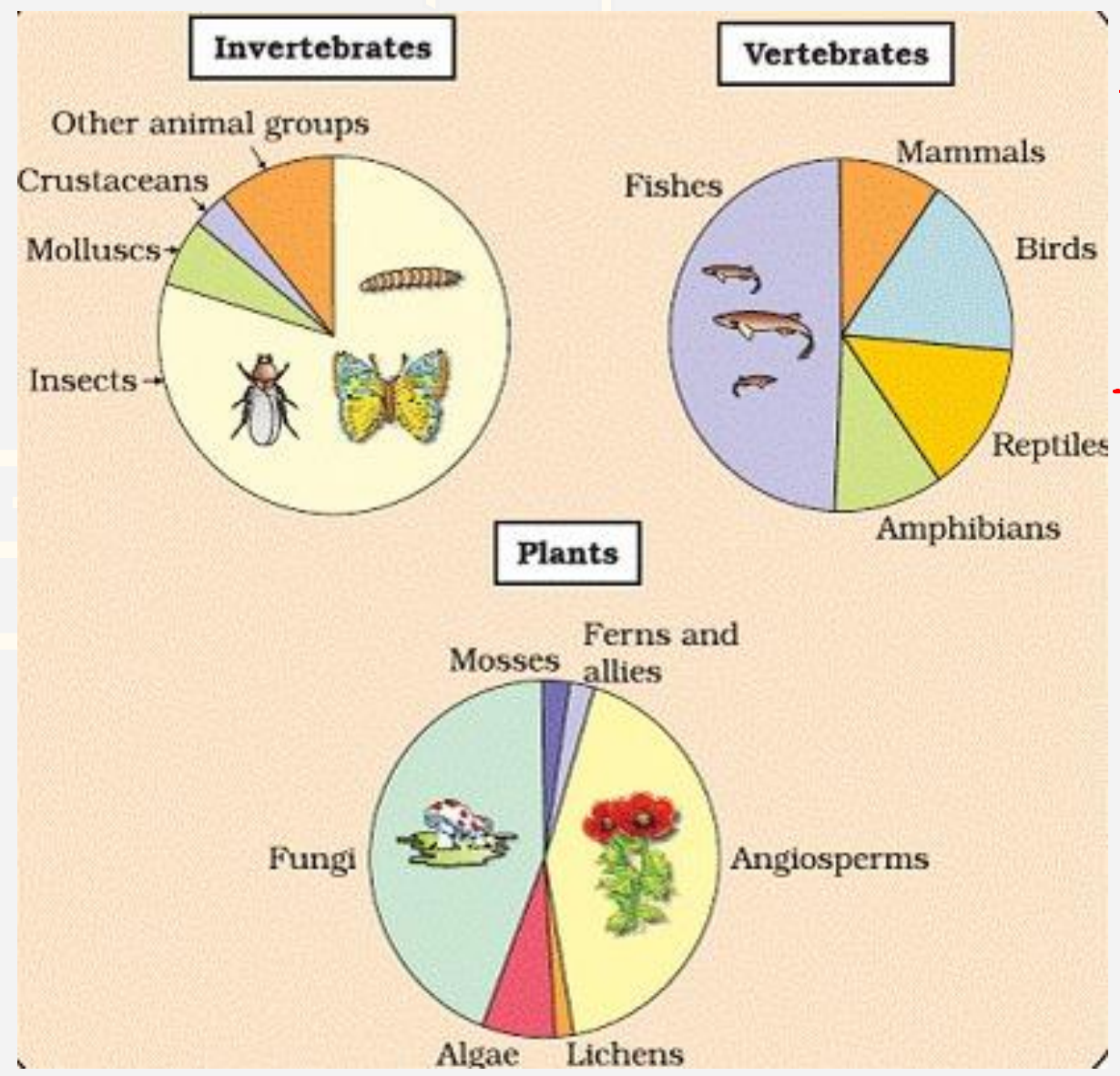


Within Gene → Genetic Diversity

## How Many Species are there on Earth and How Many in India?

- According to the IUCN (2004), the total number of plant and animal species described so far is slightly more than 1.5 million
- Some extreme estimates range from 20 to 50 million, but a more conservative and scientifically sound estimate made by Robert May places the global species diversity at about 7 million.





# Invertebrates → Insects  
# Vertebrates → Fishes  
# Plants → Fungi & Angiosperms

# SOME INTERESTING FACTS ABOUT BIODIVERSITY

- Let us look at some interesting aspects about earth's biodiversity based on the currently available species inventories.
- More than 70 per cent of all the species recorded are animals, while plants (including algae, fungi, bryophytes, gymnosperms and angiosperms) comprise no more than 22 per cent of the total.
- Among animals, insects are the most species-rich taxonomic group, making up more than 70 per cent of the total. That means, out of every 10 animals on this planet, 7 are insects



# EXAMPLE

1. FOREST(বন): Forest is an area where large number of plants grow.
2. 21% of total land of India consists of forest.
3. বন হল অনেকটা অঞ্চল জুড়ে জন্মানো উদ্ভিদসমষ্টি
4. ভারতের স্থল ভাগের ২১ শতাংশ স্থান হল বন

## TYPES OF FOREST

**Tropical Evergreen  
and Semi Evergreen  
forests**

**Tropical Deciduous  
forests**

**Tropical Thorn  
forests**

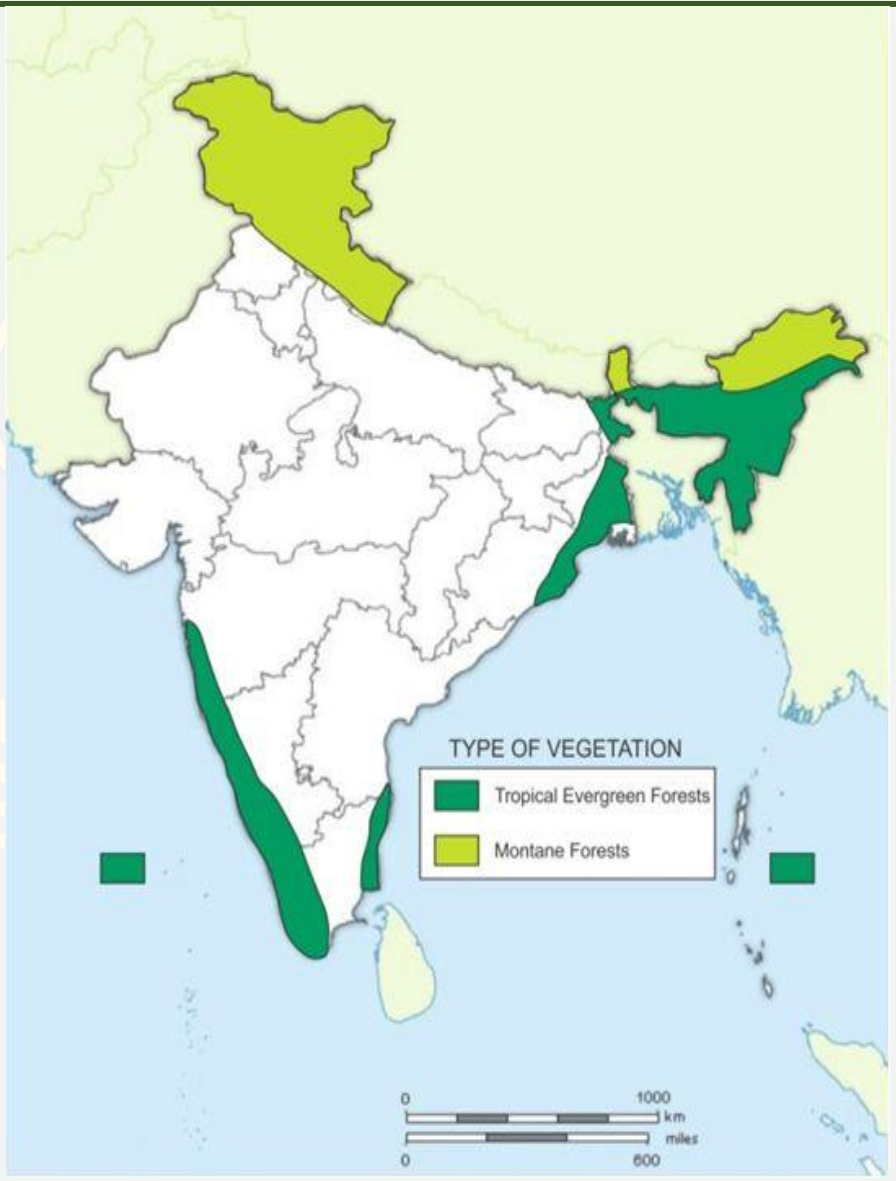
**Montane forests**

**Littoral and Swamp  
forests.**

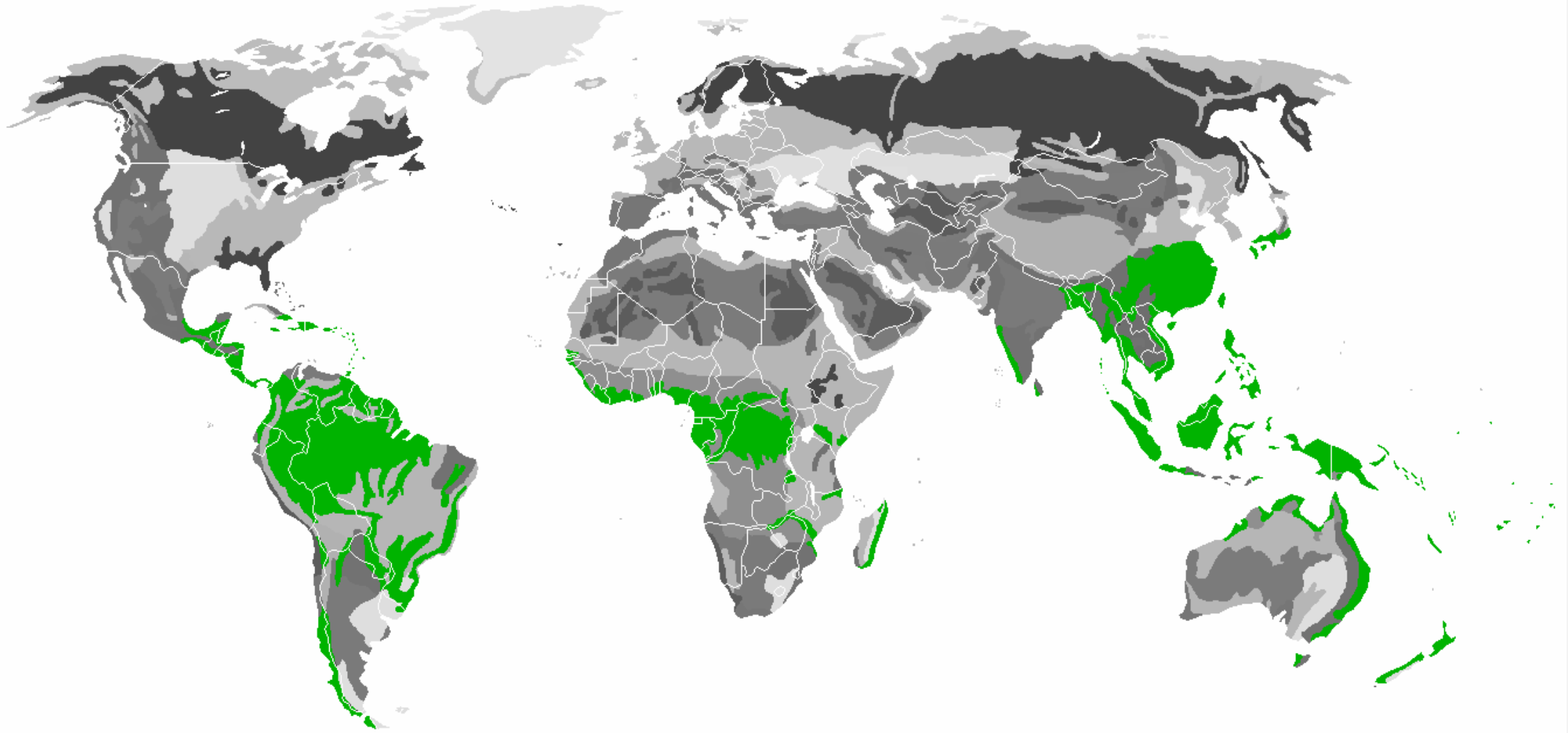
(a)



(b)









# WBCS BATCH 2022



SUMANA MAHENDRAS  
(GS)

ANURAG MAHENDRAS  
(GA/GS)

BORNON MAHENDRAS  
(GA/GS)

SHIRSITA MAHENDRAS  
(GA/GS)

VISHAL MAHENDRAS  
(MATHS)

AYAN MAHENDRAS  
(GS)

SRAYA MAHENDRAS  
(ENGLISH)

NITESH MAHENDRAS  
(REASONING)



MONDAY TO FRIDAY - 11:30 AM TO 1:30 PM

# W.B.C.S - YouTube schedule for 5-days

TIMING	DAYS				
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
11:30	ECO	CA	ECO	POL	BEN
12:00	HIS	SCI	POL	SCI	REAS
12:30	ENG	MATHS	ENG	MATHS	ENG
13:00	GEO	HIS	GEO	HIS	CA





# WBCS BATCH 2022



**WBCS OFFLINE BATCH STARTS FORM**

**26<sup>TH</sup> FEBRUARY**

**TIMING - 1:30-5:30PM**

**BOOK YOUR SEAT NOW**

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**WB AUDIT AND ACCOUNTS OFFLINE BATCH  
STARTS FORM  
23<sup>rd</sup> FEBRUARY**

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**ATTEND FREE DEMO CLASSES FROM 14<sup>TH</sup> FEBRUARY**

**TIMING- 4:15-5:15PM**

