



## **Government of Tamilnadu**

### **Department of Employment and Training**

Course : TNPSC Group II Exam  
Subject : Zoology  
Topic : **Bio-Diversity & Its Conservation**

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**Commissioner,  
Department of Employment and Training.**



# BIO-DIVERSITY & ITS CONSERVATION

## WORLD WIDE ENVIORNMENT ORGANIZATIONS

- CSD - Commission on Sustainable Development
- WWF - World Wide Fund for nature
- IUCN - International Union for Conservation of nature.

## INDIAN ENVIORNMENT ORGANIZATIONS

- MoEF - Ministry of Enviornment of Forests
- CPCB - Central Pollution Control Board
- NGT - National Green Tribunal
- TERI - Tata Energy Research Institute
- BRAI - Biotechnology Regulatory Authority of India

Total number of plants in India	Total Number of Animals in India :
	Totally 81,251 species are in India
Phanarogams plants - 15000	Insects - 60000
Algae - 1676	Mollusca - 5000
Creep plant - 1940	Mammals - 372
Fungi - 12480	Birds - 1228
Bryophytes - 2813	Reptiles - 446
Pteridophytes - 1012	Amphibines - 204
	Fishes - 2546

## India

- National Animal - Bengal Tiger - Panthera tigris
- National Bird - Peacock - Pavo Crytatus

## BIODIVERSITY & ITS CONSERVATION

- National Fruit - Mango - Mangifera indica
- National Tree - Banyan Tree - Ficus Bengalensis
- National Flower - Lotus - Nelumbo neucifera
- Special Animal - Elephant - Elephentiasis Maximus
- National Aquatic animal - gangetic dolphins - Planista gangestica

### Tamil Nadu

- Animal - Nilgiris Tahr
- Tree - Palmyra Palm
- Flower - Gloriosa lily / glory lily
- Bird - Emerald Dove
- Special flower - Kurinchi

National Park	Wild life sanctuary
<ul style="list-style-type: none"><li>❖ National Park is an area dedicated to protect the environment, the natural objects and the wild life there in no human habitation is permitted in main area.</li><li>❖ Harvesting timbers, cultivation, collection of forest products are restricted</li><li>❖ The national park is cannot be changed into wildlife sanctuary</li><li>❖ Total number of national park in India is 166</li></ul>	<ul style="list-style-type: none"><li>❖ Sanctuaries are the places where the animals are well protected from any disturbance.</li><li>❖ Harvesting timbers, cultivation, collection of forest products are allowed with permission.</li><li>❖ The wildlife sanctuary can be changed into national park</li><li>❖ Total number of wild life sanctuary in India is 442</li></ul>

### MAB – Man And Biosphere

- In India there are 18 biosphere reserves, of which 11 were recognized by UNESCO

Sl. No.	World Biosphere Reserve	State	Year
1.	Nilgiri	TamilNadu, Karnataka, Kerala	2000
2.	Gulf of Mannar	Tamilnadu	2001
3.	Sundarbans	West Bengal	2001
4.	Nandadevi	Uttarkhand	2004
5.	Simlipal	Odisha	2008
6.	Pachmarhi	Madhya Pradesh	2009
7.	Nokreh	Mehlaya	2009
8.	Achanakmar-Amarkantak	Chhattisgarh-Madhyapradesh	2012
9.	Nicobar Island	Andhaman- Nicobar	2013
10.	Agasthyamalai B.R.	Kerala – TN	2016
11.	Khangchentsonga	Sikkim	2018

### The other biosphere's in India

Biosphere	State	year
Manas	Assam	1989
Dipru	Assam	1997
Dihang- Dibang	Arunachal pradesh	1998
Kangchenjunga	Sikkim	2000
Agashthyamalai	Kerala, Tamilnadu	2001
Great Rann of Kutch	Gujarat	2008
Cold Desert	Himachalpradesh	2009

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Seshachalam	Andhrapradesh	2010
Panna	Madhya Pradesh	2011

Part	Name	Area	Year	Special
Biosphere Reserves	Nilgiri	Western ghats (Karnataka> Tamilnadu> Kerala	1986	First Bio-sphere reserve in India
	Gulf of Mannar	In between India & Sri lanka	1989	Marine biosphere reserve in India
	Agashthyamalai	Tamilnadu, Kerala, Western Ghats	2001	
National parks	Guindy	Chennai	1976	Eighth Smallest national park in India
	Gulf of Mannar marine national Park	Ramnad	1980	
	Mukurthi	Nilgiri	1982	The park was created to protect its Keystone species, the Nilgiri Tahr
	Mudumalai	Nilgiri	1940	First Modern National park in south India
	Indhra Gandhi national Park	Coimbatore	1989	First it was called Annaimalai National park. Largest national park in TamilNadu
	Mudumalai (Tiger)	Nilgiri	1940	
	Kalakkadu	Tirunelveli	1962	Lion tailed macaque

Wildlife Sanctuary	Mudumalai wildlife Sanctuary	Tirunelveli	1962	The Kalakkad Mundanthurai Tiger Reserve was created in 1988 by combining Kalakad Wildlife Sanctuary.
	Point calimere	Nagapattinam	1967	Deers
	Annamali/ Indhira Gandhi Wild life sanctuary	Coimbatore	1974	Inspite of Indhira Gandhi remarkable visit the old name of Annamalai was changed to Indhira Gandhi wildlife sanctuary
Squirrel Wildlife Sanctuary	Srivilliputhur sanctuary	Virudhunagar	1988	Grizzled squirrels
	Sathyamangalam Tiger & Wildlife Sanctuary	Erode	2008	Largest wildlife sanctuary in Tamilnadu
	Kanyakumari	Kanyakumari	2006	
	Meghamalai	Theni	2012	Last wildlife sanctuary in Tamilnadu
	Vallanadu	Tutucorin		
Tiger Reserve	Mudumalai	Nilgiri	2007	
	Kalakkadu	Tirunelveli	1988	
	Annamalai parambikkulam	Coimbatore	2006	

# BIODIVERSITY & ITS CONSERVATION

	Sathyamangalam	Erode	2012	Maximum tiger resident area
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## 1992 PROJECT ELEPHANT – 4 SANCTUARY

Elephant Sanctuary	Srivilliputhur	Virudhunagar	2002	
	Nilgiri	Nilgiri	2003	
	coimbatore	Coimbatore	2003	
	Annamali	Coimbatore	2003	
Conservation Reserves	Thiruvaidaimarudhur	Tanjore	2005	
Bird Sanctuary	Vedanthangal	Kanchipuram	1936	
	Kodiyakkarai	Nagappatinam	1967	
	Vetangudi	Sivagangai	1977	
	Moondradaippu	Tirunelveli	1977	
	Pulicat lake	Thiruvallur	1980	
	Moondradaippu	Ramnad	1989	
	Kanchirakulam	Ramnad	1989	
	karikili	Kanchipuram	1989	
	Udhayamarthandapuram	Thiruvarur	1991	
	Vaduvoore	Thiruvarur	1991	
	Kundhankulam	Tirunelveli	1994	
	Vellode	Erode	1997	
	Melselvanoore	Ramnad	1998	
	Vaduvore	Tanjore	1999	
	Viralimalai	Trichi		
	Kalaperampur	Tanjore		
	Suchindram Teroor	Kanyakumari		