

# ZEOGRAPHICAL REGION

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## *Faunal composition of various zoogeographical regions*



### **Neighbors**

- ❑ ***Oriental region by Himalayan range and Sahara desert is separated the palæarctic region .***

### **Climate**

- ❑ ***Temperate***
- ❑ ***Forest land***
- ❑ ***Steep land***
- ❑ ***Coniferous forest***
- ❑ ***Temperature fluctuation***
- ❑ ***Rainy***



## *Faunal composition of various zoogeographical regions*



### *zoological characteristics*

- **28 families of land mammals**
- **Absence of large mammals**
- **Moles, shrews, rabbits, squirrels, Porcupines, Hyenas, Donkey, Sheep etc.**

***Families only confined to Palaearctic region***

#### ➤ **Rodents**

- a. Splacidae (tail less mammals)**
- b. Selevinidae (first discovered by Kazakhstan in 1938)**

## *Faunal composition of various zoogeographical regions*



- ❖ Birds including hawks, finches, Ducks, storks, cuckoos , King fishers, Swifts, black birds, and no parrots
- ❖ Birds that are only confined to this region
- ❖ Hedge Hog sparrow
- **Reptilian**
- ❖ *Turtles, tortoises ,lizard , sharks , alligators(china)*

## *Faunal composition of various zoogeographical regions*



### ➤ *Amphibians*

- *Tailed amphibians eg. Newts ,salamanders with absence of toed and frogs*

### *Cosmopolitan fauna*

- *Rabbits*
- *Bats ,shrews , Squirrels except Australia*

### *Shared fauna*

1. *Bears*
2. *Deers*
3. *Bovids only in palaearctic and northern Ethiopian region*



## *Faunal composition of various zoogeographical regions*



### *Oriental region*

- *most of the Asia*
- *Tropical parts of India , Burma, Malaysia, Indonesia, Indo-China , southern China, Sri-lanka, Pakistan(excluding Baluchistan) and Phillipines .*

### *Physical features*

- *Palaearctic region is separated by Himalayan range from north side*
- *Other two sides ie. East and west are bounded by Pacific and Indian oceans*
- *Southern side is bounded by Malayan Island .*
- *grassy plains*
- *Bushes*

## *Faunal composition of various zoogeographical regions*



- **North-west side with deserts**
- **Southern side is rich of forest (tropical rain forests)**

### *Climate*

- **Southern part mostly temperate**
- **Mostly southern part, Constantly humid**

## *Faunal composition of various zoogeographical regions*



### *Zoological characteristics*

- ❑ **153 families of mammals**
- ❑ **10 are unique and confined to this**

### *Amongst mammals*

- a) Hyenobatidae (gibbons)**
- b) Tarsiidae (tarsiers)**
- c) Tupaiidae (tree shrews)**
- d) Gavialidae (flying lamurs)**



## *Faunal composition of various zoogeographical regions*



### *Birds families*

- *Eurylaemidae (broad bills )*

### *Reptile families*

- *Elachistodotidae (egg eating snakes )*
- *Uropeltidae (shield tail snakes)*
- *Lanthanotidae (lizards)*
- *Gavialidae (gavials)*
- *Platysternidae (big headed tortoises) e.g. poisonous snakes, wipers, pithons , gaekos , skinks , Varanaz , Coroodiles*

## *Faunal composition of various zoogeographical regions*



### *Ethiopian region*

- ❑ **Southern part of Arabia, Madagascar (such as , Mauritius, Comoro island), Africa except of northern part.**

#### *Physical and geographical features*

- **Bounded by sea all sides**
- **Except northern side which is continuous to Sahara desert that is effective barrier B/W palaeartic region**

## *Faunal composition of various zoogeographical regions*



### ***Climate***

- ***It lies b/w tropical regions***
- ***Climate condition is much more uniform***
- ***Big rivers***
- ***High mountains***
- ***Grassy plains***
- ***Thick tropical forests***
- ***Ethiopian region has 20-30 degree Celceous during January***



## *Faunal composition of various zoogeographical regions*



### *Zoological characteristics*

- **The fauna of Ethiopian region is very rich , varied and well marked**
- **161 families of terrestrial vertebrates**
- **Higher Mammals including chimpanzees, monkey, giraffes, bovids, antilopes, zebras, lions, leopards, rhinoceroses, elephants, hyenas etc.**
- **Lower mammals including shrews, cricetid mice, rabbits, mustelids, cats, dogs, squirrels , and bovids**

THANK YOU