

ZEOGRAPHICAL REGION

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Faunal composition of various zoogeographical regions



Neighbors

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

- *Palaeartic 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