

Elephant



DANVEER SINGH YADAV

Assistant Professor

Livestock Production Management

College of veterinary Science & A. H. (NDVSU), MHOW

- Order: Proboscidea
- Family: Elephantidae
- Genus: Elephas
- Species: Elephas maximus
- *Elephas Maximus indicus* (Asian/Indian Elephant)
- *Loxodonta africana* (African elephant)

- Elephant the **largest terrestrial mammal**.
- **Anatomical modification** : large tusks and great trunk are important.
- Trunk is elongated **upper lip and nose**.
- The **trunk** has great ability of **smelling** and to caution the **presence of hidden enemy**.
- There are **finger like projection** at the tip of trunk which will enable them to pick a **very small object**.



- The eyes are **very small** and sight is very poor.
- They have very large fan like ears which help in maintaining body temperature.
- The testis are intra abdominal and the mammary gland are pectoral in position.
- Gestation period is **18-22 month**.
- C.I is **4** years and total life span is **60 to 80** years.

- The age of **sexual maturity** in male is **12-20** years and female **10-15** years.
- Adult male and female elephant can eat **200 to 270 kg** of food in a day and spend 12-16 h of the day for grazing and browsing.
- Daily water requirement **140 to 250** liters

MUSTH

- Extra ordinary **sexual behavior** shown by male elephant.
- The male elephant in **captivity or in free range exhibit** a peculiar sexual behavior termed as MUST.

- During this period there is a discharge from the enlarged temporal gland.
- The temporal gland are located on either side, subcutaneously in temporal region.
- The secretion are discharged from the duct in the lateral **canthus** of **each eye**.





Character	(Asian/Indian Elephant)	(African elephant)
Scientific name	<i>E. Maximus indicus</i>	<i>Loxodonta africana</i>
Tusk	3 meter long , 100 kg in weight	3.5 meter long , 150 kg in weight
Body weight	5000kg	6000kg
Height	3 meter	4 meter
Musth	Only male	Both
Tusk present	Only male	Both
Ear	Long	Short



- **Tusks** are elongated, continuously growing front teeth, usually but not always in pairs, that protrude well beyond the mouth of certain mammal species.
- They are most commonly **canines**, as with warthogs, pig, and walruses, or, in the case of **elephants**, **elongated incisors**.

Ivory

- The **hard white substance**, a variety of dentin, composing the main part of the tusks of the elephant.
- **30% of tusk are embedded** in the skull bone and remaining are visible outside.







Walruses



Thank you