


# Poultry


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- The term poultry refers to all those species of birds which are reared for economic benefit and they should be able to produce under captivity.
  - Study of Species of birds **Ornithology**

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- Poultry population in India is 729.2 million (Growth rate 12.39%)
  - World Egg Day” Second Friday in October

# Terminology

- **Chicks** : It may be **either male and female** up to **8 weeks**
- **Broiler** : Either Male and female up to **6-8 weeks**(table purpose/fryer)
- **Grower** : male and female up to **16 weeks**
- **Roaster** : chicken of either sex between 9-20 weeks of age

- **Pullet** : Female bird from **16 weeks** to laying first egg.
- **Layer** : Mature female bird which produces the **eggs** frequently.
- **Hen** : it is mature female chicken of more than **6** months of age.
- **Broody hens** : hen used for incubating eggs

- **Cockrale** : A male bird between **8-20** weeks of age.
- **Cock** : It is mature male chicken used for breeding purpose over 10 months of age.
- **Capon** : surgically castrated male chicken under of 8 months.
- **Stag** : a male castrated after sexual maturity (10 months)

- **Incubation** : the hatching of eggs by means of heat either natural/artificial temperature is near about 99.5 F.
- **Brooding** : care and management of baby chick generally up to 4-6 weeks.

- **Candling** : The visual examination (4<sup>th</sup> days) of egg by holding it in b/w eye and source of heat to test internal quality and fertility of egg.
- **Debeacking** : Some part cut of beak(1/4 or 1/2)



# Anatomy and physiology of poultry

1. **Mouth parts**: Absence of lips/teeth tongue is shaped like barded head of arrow.
2. **Crop** : Used for storing/softening food
3. **Proventriculus** (true stomach)

4. Gizzard single largest organ

5. Duodenum, Pancreas, Liver (**two lobe**), Spleen

6. **Caeca** : **Two blind sacs** at junction of S.I and L.I

7. **Cloaca** : Fecal matter from rectum urine from kidney pass into this organ. The material are excreted through **vent**

# Female reproductive system

s.n o	Part	Length	Time taken (hrs)	Contribution
1	Infundibulum	11cm	0.25 hr	Site of fertilization
2	Magnum	33.6 cm	3.00 hr	Secretion thick white albumin
3	Isthmus	10.6 cm	1.25 hr	Secretion the Shell membranes
4	Uterus	10.1cm	20.75 hr	Secretion the thin white shell and shell pigment
5	Vagina	6.9 cm	-	Holding until it is laid

Thanks