

## GENERAL CHARACTERS (BIRDS) - DI (H) VISHWANATH SAH

Warm-blooded and bipedal; body is streamlined, covered with feathers, forelimbs modified into wings. Jaws provided with horny beak, heart is four chambered, lungs spongy; air sacs present, sexes separate, oviparous.

Larynx without vocal cords. Birds light and spongy. Pelvis is fused with vertebrae from thorax to tail, Sternum enlarged and usually with keel to lodge muscles, cloaca is present which receive ureters, genital ducts and rectum. examples: Passer (sparrow), crow, peacock, Pavo (peacock) Psittacula (parrot), Ostrich, Bubo (owl)

### FLIGHT ADAPTATION IN BIRDS

1. Birds have a streamlined body and it is covered by long feathers.
2. The long feathers help in flying.
3. They possess long tail which is also essential for flight.
4. Breast bone of birds are covered by

powerful flight muscles.

5. Similarly, long bones of birds skeleton are hollow and connected by air passage.

6. This reduces the weight of the body and helps in flying.

