

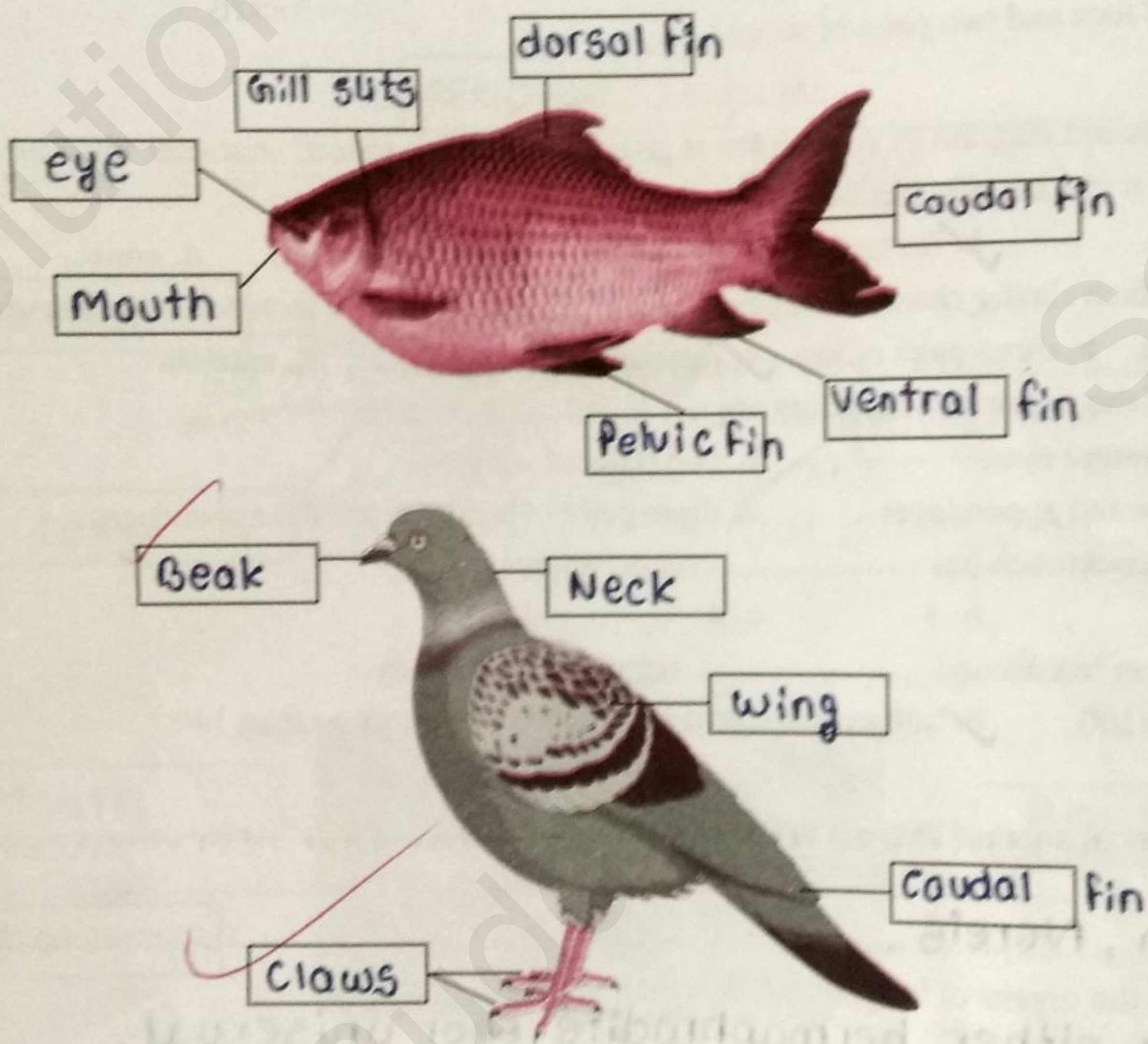
Practical No. 7

Aim : To study the characteristics of chordate animals a. Fish b. Pigeon

Apparatus : Live or preserved specimens of fish and pigeon.

Procedure :

1. Observe the given specimens according to the points given below
 - a. A prominent character of its phylum.
 - b. Changes with reference to the adaptation.
2. Label the diagrams shown below.



Observation :

a. **Fish :**

Kingdom	- Animalia
Phylum	- Chordata
Sub-phylum	- Vertebrata
Class	- Pisces
Example	- Rohu fish

Characteristics :

1. Fish is a cold blooded animal with a spindle shaped body to minimize water-resistance.
2. Fish breaths with gills.

b. Pigeon :

Kingdom	- Animalia
Phylum	- Chordata
Sub-phylum	- Vertebrata
Class	- Aves
Examples	- Pigeons

Characteristics :

1. Pigeons body is covered with feathers. Forelimbs are modified into wings. Heart has four compartments.
2. Pigeon has hollow bones and air bags inside the body. This is aerial adaption.

Multiple Choice Questions

1. Fish is cold blooded animal.
a. mix ☒ b. cold c. warm d. None of above
2. Pigeon's heart has compartments.
☒ a. 1 b. 2 c. 3 d. 4
3. Due to which similar character, birds and fishes are in the same phylum?
a. tapering head b. heavy chest
c. caudal fin d. Vertebral column
4. The caudal fin of fish and pigeon is useful to
☒ a. increase the velocity. b. decrease the velocity.
c. change direction. d. maintain balance.
5. Bird's are modified into wings.
☒ a. forelimbs b. hindlimbs c. thorax parts d. non of these

: Exercise :

1. Explain the adaptation in fish body which makes floating on water as well as going in deep water easy.

Body of fishes are in spindle fibre to minimize the air resistance during floating on water as well as going in deep water easy.

2. Which factor decides whether the animal is 'cold blooded' or 'warm blooded'?

The presence or absence of thermoregulatory system divides whether the animal is 'cold or warm blooded'.

3. What are the changes in birds bodies that adopt them to aerial habitat?

They have spindle shaped to minimize air resistance during aerial habitat. ~~to~~ and also they have warm blooded.



Remark and Signature