Contents

Preface (*v*)

1. Nutrition **1**
- Alimentary Canal and It's Modification in Relation to Food and Feeding Habits Associated Glands
- Digestion and Energy Utilization

2. Circulatory System **48**
- Fish Anatomy
- Heart Structure and Blood Vessels

3. Respiration **92**
- Structure and Function of Gills, Gill Rackers and Their Uses
- Counter Current Mechanism
- Gas Exchange
- Transport of Oxygen and Carbon Dioxide
- Accessory Respiratory Organ and Physiology Adaptation in Air Breathing Fishes
- Swim Bladder

4. Excretion **154**
- Kidney Structure and Modifications Nitrogenous Excretory Products, Urine Formation

5. Osmoregulation **172**
- Osmoregulation in Fresh Water Fishes
- Osmoregulation in Migratory Fishes

SAMPLE