

## **Zoology important questions**

### **Year -1 semester-2**

#### **Unit 1**

- 1.structure and function of integument
- 2.compare the structure of scales in fishes and reptiles
- 3.comparative anatomy of pelvic girdle from fishes to mammals
- 4.explain adaptive modifications in vertebrates locomotion
- 5.structure and development of mammalian hair

#### **Unit 2**

- 1.Evolution of alimentary canal from fishes to mammals
- 2.write an essay on swimming bladder and significance in respiration
- 3.compare the nephron structure from fishes to mammals
- 4.discuss the functional diversity of aortic arches in vertebrates

#### **Unit 3**

- 1.Evolution of reproductive organs in vertebrates
2. Comparative account of cranial nerves in vertebrates
- 3.compare the sense organs of vision in vertebrates
- 4.structure and function of auditory organs in vertebrates
- 5.structural organization of brain in vertebrates

#### **Unit 4**

- 1.explain vitellogenesis in birds
- 2 compare different types of placenta in vertebrates
- 3.explain neurulation and notogenesis in frog embryo
4. Describe the spermatogenesis in mammals
- 5.describe the oogenesis in mammals

