

Bs/ZOO/C8(T)

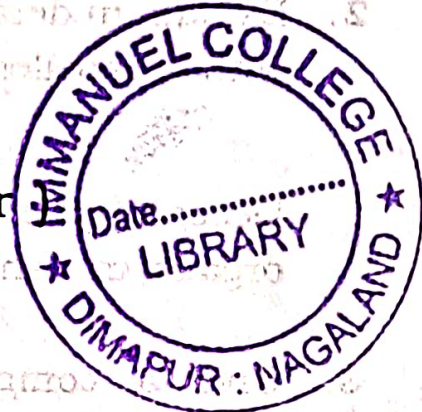
2025

(FYUGP)

(4th Semester)

ZOOLOGY

(MAJOR)



Paper : ZOO/C8(T)

(Comparative Anatomy of Vertebrates)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

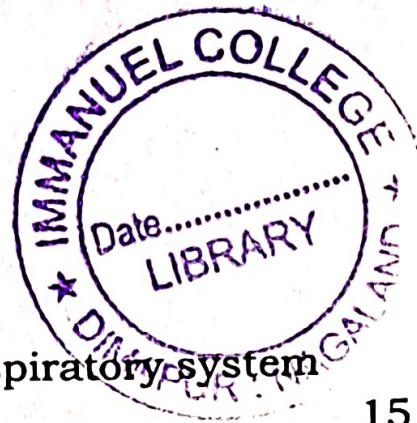
*The figures in the margin indicate full marks
for the questions*

1. Write a detailed account on the derivatives of integument. $7\frac{1}{2}+7\frac{1}{2}=15$

Or

Explain the axial and appendicular skeleton of reptiles with a well-labelled diagram. 15

(2)



2. Explain in detail the avian respiratory system with a labelled diagram. 15

Or

Describe the various accessory respiratory organs in fishes.

3. Give a comparative account of digestive system of amphibians and mammals.

$7\frac{1}{2} + 7\frac{1}{2} = 15$

Or

Write notes on the following : $7\frac{1}{2} + 7\frac{1}{2} = 15$

(a) Dentition

(b) Digestive glands

4. With proper diagrams, explain the evolution of heart and aortic arches in vertebrates. 15

Or

Define urinogenital system. Explain the evolution of urinogenital ducts. $2 + 13 = 15$

5. Give a comparative account of spinal cord in mammals and aves. 15

Or

What are receptors? Discuss the different types of receptors. $2 + 13 = 15$

★ ★ ★