

2026

(FYUGP)

(4th Semester)

ZOOLOGY

(MAJOR)

Paper : ZOO/C8

(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. Define integument. Explain the structure and functions of integument.** 2+13=15

Or

Explain the axial and appendicular skeleton of Amphibia with suitable diagrams. 15

- 2. With suitable diagrams, explain the respiratory system in fishes.** 15

Or

Explain the various accessory respiratory organs in Aves. 15

3. Explain the digestive system of reptiles and mammals with proper diagrams. $7\frac{1}{2}+7\frac{1}{2}=15$

Or

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

- (a) Dentition in reptiles
- (b) Types of mammalian teeth and their functions

4. With proper diagram, describe the circulatory system in mammals. 15

Or

Define urinogenital system. Write an account on succession of kidney in vertebrates. $2+13=15$

5. Define sense organs. Write a brief account on visual and auditory receptors in man. $2+13=15$

Or

Give a comparative account of brain in Mammals and Aves. 15

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