

2019

B.Sc. (Hons)

4th Semester Examination

ZOOLOGY

Paper - C8T

Full Marks : 40

Time : 2 Hours

*The figures in the margin indicate full marks.  
Candidates are required to give their answers  
in their own words as far as practicable.*

1. Answer any five questions 5×2=10
- (a) What do you mean by Wolffian and Mullerian ducts ?
  - (b) What is foramen of paniza ?
  - (c) What are remiges and rectrices ?
  - (d) What is corpus callosum ?
  - (e) Write the names of ectodermal layers of mammalian skin.

[ Turn Over ]

(f) Why the number of aortic arches have been reduced in higher vertebrates ?

(g) Distinguish between atlas and axis vertebrae.

(h) What is beleen ?

2. Answer any *four* questions : 4×5=20

(a) Classify different types of dentition in mammals. 5

(b) Describe the structure of heart in dipnoi. 1+4

(c) Distinguish between horn and antler. Write names of the integumentary derivatives of birds. 3+2

(d) Give a general account of succession of kidney in vertebrates. 5

(e) What is jaw suspension ? Give an account of types of jaw suspension in vertebrates. 1+4

(f) Write short notes on (i) air sac in birds and (ii) cloacal bladder in reptiles. 2½+2½

3. Answer any *one* question : 1×10=10

(a) Give a comparative account of aortic arches in amphibians, reptiles and mammals. Mention the significance of aortic arches. 3+3+2+2

( 3 )

- (b) Describe the structure of stomach of herbivorous mammal. Add a note on cranial nerves of mammals. 5+5
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