

Total No. of Printed Pages—3

4 SEM TDC ZOOH (CBCS) C 8

2 0 2 2

(June/July)

ZOOLOGY

(Core)

Paper : C-8

(Comparative Anatomy of Vertebrates)

Full Marks : 53

Pass Marks : 21

Time : 3 hours

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

1. Fill in the blanks of the following : 1×5=5
- (a) Horn is a derivative of _____.
 - (b) Teeth are absent in _____.
 - (c) Cutaneous respiration is found in _____.
 - (d) _____ pairs of cranial nerves are found in fishes.
 - (e) Urinary bladder is absent in _____.

(2)

2. Prepare notes of any two of the following :

5×2=10

(a) Succession of kidney in mammals

(b) Types of uteri in mammals

(c) Visual receptors in man

3. Discuss the derivatives of integument in mammals.

5

Or

Discuss the functions of integument.

4. Discuss the types of dentition in different groups of animals.

6

5. Write about the accessory respiratory organs in fish.

8

Or

Compare and contrast the pectoral girdle of bird and mammal.

6. Enlist the similarities and dissimilarities of brain in Amphibia and Mammalia with labelled diagram. Add a brief note on cranial nerves in mammals.

8+3=11

(3)

Or

Write the comparative account on the alimentary canal of man with suitable diagram. Add a brief note on digestive gland in fishes.

8+3=11

7. Compare the heart of reptiles and mammals or reptiles and birds with suitable illustrations.

8
