

This question paper contains 3 printed pages.

5120A

Your Roll No.

Subsidiary for B.Sc. Honours

J

II Examination

ZOOLOGY— Paper III

(Chordata)

(Admissions of 2003 and before)

Time : 3 hours

Maximum Marks : 50

*(Write your Roll No. on the top immediately
on receipt of this question paper.)*

*Attempt five questions in all, including
Question No. 1 which is compulsory.*

1. (a) Classify the following upto orders:

(i) Shark

(ii) Salamander

(iii) Krait

(iv) Bat.

4

(b) Give exact location of:

(i) Foramen of Monroe

(ii) Purkinje fibres

(iii) Ceruminous glands

P. T. O.

- (iv) Odontoid process. 4
- (c) Fill in the blanks with appropriate words:
- (i) Foramen panizzae is present in the heart of
.....
- (ii) Poison glands of snakes are modified
.....
- (iii) Middle coat of spinal cord is called
..... 3
- (d) Define:
- (i) Aqueduct of Sylvius
- (ii) Cheveron bone
- (iii) Ductus caroticus. 3
2. Give an account of exoskeletal derivatives in fishes and birds. 9
3. Give an account of aortic arches in amniotes. 9
4. Give neat labelled diagrams of the following. No description required.
- (i) T.S. Cochlea
- (ii) Pelvic girdle of Fowl. 9
5. Give an account of the structure and functions of mammalian eye. 9

6. Describe the evolution of urinogenital ducts in various groups of vertebrates. 9

7. Write notes on any *three* of the following:

(i) Middle ear-ossicles

(ii) Mammalian lung

(iii) Cranial nerves

(iv) Various types of centra of vertebrae. 9