

2007
1110
animal

QP Code : 12814

(2½ Hours)

[Total Marks : 75

- N.B.** (1) All questions are compulsory.
(2) Figures to the right indicate full marks.
(3) Draw neat labelled diagrams wherever necessary.

1. Describe the following :- 7
 - (a) Nervous system of Sepia. 7
 - OR
 - (a) Male and female reproductive system of Sepia 8
 - (b) Digestive system of Sepia. 8
 - OR
 - (b) Excretory system of Sepia. 8
2. Explain the following :- 7
 - (a) Aortic arches in fishes and amphibians. 7
 - OR
 - (a) Structure of tooth. 8
 - (b) Epidermal glands based on structure. 8
 - OR
 - (b) Beaks and horns. 8
3. Describe the following :- 7
 - (a) Structure of 24 hrs. of chick embryo 7
 - OR
 - (a) Allantois and amnion in chick embryo. 8
 - (b) Types of placentae based on histology. 8
 - OR
 - (b) Flexon and torsion. 8
4. Explain the following :- 7
 - (a) Histology of adrenal gland. 7
 - OR
 - (a) Functions and disorders of thyroid gland. 8
 - (b) Histology of adenohypophysis. 8
 - OR
 - (b) Functions and disorders of pancreas. 8
5. Write short notes on :- 4
 - (a) Ink sac of Sepia. 4
 - OR
 - (a) Economic importance of Sepia. 4
 - (b) Antlers. 4
 - OR
 - (b) Hoofs. 4
 - (c) Somites. 4
 - OR
 - (c) Discoidal placenta. 4
 - (d) Parathormone. 3
 - OR
 - (d) Structure of Thyroid follicle. 3