

Q.P. Code : 20154

[Time: 2 $\frac{1}{2}$ Hours]

[Marks: 75]

Please check whether you have got the right question paper.

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

Q.1 Describe the following:

a) Systematic position, habit and habitat of Sepia. **07**

OR

a) Digestive system of Sepia. **07**

b) Circulatory system of Sepia. **08**

OR

b) Female reproductive system and copulation in Sepia. **08**

Q.2 Explain the following:

a) Structure of Vertebrate tooth. **07**

OR

a) Dermal scales. **07**

b) Types of feathers. **08**

OR

b) Evolution of heat in vertebrates. **08**

Q.3 Describe the following:

a) Structure of 24 hours chick embryo. **07**

OR

a) Amnion and chorion in chick. **07**

b) Cleavage in chick embryo. **08**

OR

b) Yolksac and choriovitelline placenta. **08**

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Q.4 Describe the following:

a) Histological structure of pituitary gland. **07**

OR

a) Hormones of adrenal gland and their functions. **07**

b) Histology of the pancreas and functions of pancreatic hormones. **08**

OR

b) Parathyroid as an endocrine gland. **08**

Q.5 Write short notes on:

a) Locomotion in Sepia. **04**

OR

a) Shell of Sepia. **04**

b) Nail as an integumentary derivative. **04**

OR

b) Aortic arches in mammals. **04**

c) Somites in chick embryo. **04**

OR

c) Allantois. **04**

d) Hormones of neurohypophysis. **03**

OR

d) Thyroid follicle. **03**
