

QP Code : 77022

(2½ Hours)

[Total Marks : 75

- N.B. :** (1) All questions are **compulsory**.
(2) All questions carry **equal marks**.
(3) **Draw neat labelled diagrams** wherever **necessary**.
(4) **Questions** should be **answered in order**.

1. Describe the following :
- (a) Digestive system of Sepia. 7
- OR**
- (a) Nervous system of Sepia. 7
(b) Habit and habitat of Sepia. 8
- OR**
- (b) Female reproductive system of Sepia. 8
2. Explain the following :
- (a) Evolution of heart. 7
- OR**
- (a) Mammalian dentition. 7
(b) Feathers and hair. 8
- OR**
- (b) Primary divisions of digestive tube. 8
3. Describe the following :
- (a) Development upto 24 hrs. of chick embryo. 7
- OR**
- (a) Structure of hen's egg. 7
(b) Classification of placentae on the basis of morphology. 8
- OR**
- (b) Amnion and allantois. 8
4. Explain the following :
- (a) Histology of pituitary gland. 7
- OR**
- (a) Hormonal disorders of thyroid gland. 7

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(b) Hormonal disorders of adrenal gland. 8

OR

(b) Functions and disorders of pancreatic hormones. 8

5. Write short note on :

(a) Chromatophores in Sepia. 4

OR

(a) Economic importance of Sepia. 4

(b) Hoofs. 4

OR

(b) Claws. 4

(c) Yolk sac. 4

OR

(c) Epithelio - chorial placenta. 4

(d) Functions of adrenal medulla. 3

OR

(d) Functions of parathyroid hormone. 3
