

[Time: 03 Hours.]

[Marks: 100]

Please check whether you have got the right question paper.

- N.B:**
1. All questions are compulsory and carry equal marks.
 2. Figures to the right indicate full marks.
 3. Draw neat and labelled diagrams wherever necessary.
 4. Answer the questions in proper order.

Q. 1 Describe Any Two of the following:

(20)

- a) Basic structure of integument with the help of diagram.
- b) Scales in fishes.
- c) Any two special derivatives of integument.

Q. 2 Explain Any Two of the following:

(20)

- a) Bone structure its properties and functions.
- b) General characters of typical vertebra with suitable diagram.
- c) General skeleton of ribs and sternum.

Q. 3 Give an account on Any Two of the following:

(20)

- a) Flexor carpi radialis
- b) Biceps brachii
- c) Tibialis anterior muscles and soleus muscles

Q. 4 Describe Any Two of the following:

(20)

- a) 24 hours chick embryo.
- b) Extra embryonic membranes of chick.
- c) Regional specificity of the organizer.

Q. 5 Write short notes on: (Any Four)

(20)

- a) Salt glands
- b) Feathers in birds
- c) Hyoid bone
- d) Gastrulation in chick
- e) Claw
- f) Cell adhesion
