

Time: 3 Hours

Marks: 100

Note before:

- 1] All questions are compulsory.
- 2] Draw neat labelled diagrams wherever necessary.
- 3] Figures to the right indicate full marks.
- 4] Attempt the questions in serial order.

- Q. 1 Explain the following [Any two] 20**
- a) Feathers in birds
 - b) Epidermal glands
 - c) Dermal derivatives and special derivatives of integument
- Q. 2 Describe the following [Any two] 20**
- a) Radius and Ulna
 - b) Structure of cervical vertebra. Add a note structure of axis vertebra
 - c) Common characters of ribs. Add a note on first and second rib.
- Q. 3 Explain the following [Any two] 20**
- a) General types of muscles
 - b) Abductor and adductor muscles
 - c) Hamstring group muscles
- Q. 4 Describe the following [Any two] 20**
- a) Morphogenesis and morphogenic movements
 - b) 72 hours chick embryo
 - c) Structure of Hen's egg
- Q. 5 Write short notes [Any four] 20**
- a) Hoofs
 - b) Scales in fishes
 - c) Hyoid bone
 - d) Cranial bones
 - e) Types of extensor muscles
 - f) Construction of fate maps