

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) Epidermal glands in animals
 - b) Horns and hoofs
 - c) Types of feathers in birds
- Q. 2 Describe the following [Any two] 20**
- a) General structure, characters and types of cartilage
 - b) Structure of cervical vertebra. Add a note structure of atlas vertebra
 - c) Hyoid bone
- Q. 3 Explain the following [Any two] 20**
- a) Biceps brachii
 - b) Flexor carpi radialis
 - c) Tibialis anterior muscles and soleus muscles
- Q. 4 Describe the following [Any two] 20**
- a) Extraembryonic membranes of chick
 - b) 48 hours chick embryo
 - c) Construction of fate maps
- Q. 5 Write short notes [Any four] 20**
- a) Basic structure of integument
 - b) Scales in fishes
 - c) Sternum
 - d) Femur
 - e) General types of muscles
 - f) Morphogenesis