

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