

Total Marks: 75

Duration: 2.5 hrs

- N.B:1. All questions are compulsory.
2. Figures to the right indicate marks.
3. Draw neat and labeled diagrams wherever necessary.

Q.1) Give an account of the following:

(A) Internal structure of Human heart with neat labeled diagram. (7)

OR

(A) Hormones secreted by Thyroid gland & its functions. (7)

(B) Ultrastructure of Nephron with neat & labeled diagram. (8)

OR

(B) Hormones secreted by Adenohypophysis. (8)

(C) Attempt any ONE of the following: (5)

(i) Function of Testosterone & Estrogen.

(ii) Hormones of Pancreas.

Q.2) Give an account of the following:

(A) Pelvic Girdle with neat & labeled diagram. (7)

OR

(A) Steps involved in Muscle Contraction. (7)

(B) Structure of Atlas & Axis Vertebra with a neat & labeled diagram. (8)

OR

(B) Bones of forelimb with neat & labeled diagram. (8)

(C) Attempt any ONE of the following: (5)

(i) Structure of Sternum.

(ii) Structure of Sacrum & coccyx.

Q.3)

Give an account of the following:

- (A) Define Excretion. Explain the different modes of excreting nitrogenous waste products. (7)

OR

- (A) Human Digestive system with neat labeled diagram. (7)

- (B) Define Immunology. Explain the Basic structure of Antibody with diagram. (8)

OR

- (B) Human Female reproductive system with neat labeled diagram. (8)

- (C) **Attempt any ONE of the following:** (5)

(i) Histology of Testes.

(ii) Enlist the functions of liver.

Q.4)

Attempt Any THREE of the following:

(15)

(i) Structure of lungs.

(ii) Structure of Human Ear.

(iii) Structure of Striated muscle.

(iv) Structure of Femur & Tibia-Fibula.

(v) Types of Barriers in Innate Immunity.

(vi) Write a note on digestion in small intestine.

~~~~~All the best~~~~~