

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) Cardiac Cycle (7)
OR
- (A) Structure of Human Eye with neat labeled diagram. (7)
- (B) Internal structure of Human heart with neat labeled diagram (8)
OR
- (B) Hormones Secreted by Anterior pituitary & their functions. (8)
- (C) Attempt any ONE of the following: (5)
- (i) Structure of lungs.
- (ii) Define : Residual Volume, ERV & IRV
- Q.2) Give an account of the following:
- (A) Describe Pectoral Girdle with neat & labeled diagram. (7)
OR
- (A) Explain Physiology of Muscle Contraction. (7)
- (B) Describe Atlas & Axis Vertebra with a neat & labeled diagram. (8)
OR
- (B) Describe Bones of Hindlimb 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) Explain Physiology of Urine formation. (7)
OR
- (A) Describe Human Digestive System with neat labeled diagram. (7)
- (B) Define Immunology. Explain the Basic structure of Antibody with diagram. (8)
OR
- (B) Describe Stages of Menstrual cycle. (8)
- (C) Attempt any ONE of the following: (5)
- (i) Histology of Ovaries.
- (ii) Histology of Testes.

Q.4)

Attempt Any **THREE** of the following:

(15)

- (i) Write a note on structure of Pancreas & its hormones.
- (ii) Enlist the functions of Liver
- (iii) Structure of Striated muscle
- (iv) Structure of pelvic girdle.
- (v) Types of Barriers in Innate Immunity.
- (vi) Explain the different modes of excreting nitrogenous waste.

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