



**Q2 (B) Fill in the blanks**

[04]

- 1) Erythrocyte is \_\_\_\_ cell.
- 2) \_\_\_\_\_ is functional unit of lung.
- 3) Normal GFR value is \_\_\_\_\_
- 4) Chemical nature of Aldosterone is \_\_\_\_\_

**Q3. Answer the followings in short (any ten)**

[20]

- 1) What are four basic tissues?
- 2) Define cell and name the blood cells.
- 3) What is function of Trachea?
- 4) What is Partial pressure of O<sub>2</sub> in the tissue?
- 5) Define Neurotransmitter.
- 6) Write importance of ureter and urinary bladder.
- 7) Write about homeostasis with example.
- 8) What are Voluntary and Involuntary muscles?
- 9) What is Hypoglycaemia?
- 10) What is normal blood sugar level?
- 11) What are various hyperglycaemic hormones?
- 12) Define endocrine and exocrine glands and give examples of biological amines.

**Q4 Describe in detail any four questions.**

[32]

- 1) Define Physiology and write about functions of any two systems of human body.
- 2) List out all 11 systems of human body and write components of any four systems.
- 3) Discuss about O<sub>2</sub> transport in the blood.
- 4) Write functions of circulatory system and draw labelled diagram of human heart.
- 5) Write about sliding filament theory for muscle contraction.
- 6) Draw the labelled diagram of cortical Nephron and write about its importance.
- 7) Define diabetes mellitus and write about Adult onset Diabetes mellitus.
- 8) Discuss importance of Insulin and glucagon.

—————X—————

[2]