

HUMAN ANATOMY AND PHYSIOLOGY
1st Exam/Pharmacy/3014/Nov'24
(For 2021 Batch Onwards)

Duration: 3Hrs.

M.Marks:80

SECTION-A

Q1. Give answer in one line.

20x1=20

- a. Define tissue? Give example.
- b. Why mitochondria are called as power house of cell?
- c. Define anatomy and physiology.
- d. Name various types of synovial joints.
- e. Name the types of heart sound.
- f. Which is the largest bone in our body?
- g. Define Dysphagia.
- h. List various function of HCl.
- i. Which disease is caused by deficiency of vitamin D?
- j. Name the area of digestive tract has greater amount of enzyme activity.
- k. Why left lung is smaller than right lung?
- l. Name the hormones secreted by beta cell of Pancreas.
- m. Why kidney is so called retroperitoneal gland?
- n. Which pigment presence gives yellow color to urine?
- o. Which hormone is known as pregnancy test hormone?
- p. What is Myopia?
- q. Expand CT scan.
- r. Define gout.
- s. Define gametogenesis.
- t. Define Tinnitus.

SECTION-B

Q2. Write short note on any ten of the following.

10x3=30

- i. Sliding filament theory
- ii. classify synovial joint
- iii. Blood pressure
- iv. Draw well labelled diagram of human Ear.
- v. Urea cycle
- vi. Reflex action
- vii. Function of bile
- viii. Pancreas Gland
- ix. Breathing mechanism
- x. Spermatogenesis
- xi. Blood clotting

SECTION-C

Q3. Attempt any six questions.

6x5=30

- a. Draw the diagram of animal cell. Explain cell membrane in detail.
- b. Define nephron? Explain in detail about urine formation.
- c. Explain the human digestive system with help of diagram.
- d. Write note on menstrual cycle.
- e. Draw diagram of heart. Explain cardiac cycle in detail.
- f. Explain Female reproductive system with diagram.
- g. Draw diagram of human eye and explain its parts.