

F/2023/8104

Total Pages : 2

First Year Pharmacy
HUMAN ANATOMY AND PHYSIOLOGY
(ER20-141)

Time : Three Hours

Maximum Marks : 80

- Note :**
- Attempt any five questions.
 - All questions carry equal marks.
 - Draw neat and labelled diagram wherever necessary.

✓ Attempt any two.

- Describe myopathy and cramps.
- Classify tissues with a labelled diagram.
- Write a note on Gall-Bladder.

2. Attempt any two.

- Give an account of menstrual cycle.
- Enlist the name of endocrine glands and describe the disorders of thyroid gland.
- Explain:
 - Glaucoma
 - Keratitis

3. Write a note on : (Any four)

- Hypothyroidism
- Myopia
- Hypermetropia
- Cardiac output
- Dyspnea

④ Attempt any two.

- Differentiate between sympathetic and parasympathetic nervous system.
- Describe the mechanism of blood coagulation.

c) Explain :

- Marasmus
- Night Blindness

5. Explain. (Any four)

- Draw a neat and labelled diagram of nephron.
- Draw a neat and labelled diagram of Animal cell.
- Write the functions of lymphatic system.
- Draw a well labelled diagram of neuron cell.
- Write the functions of gastric juices.

6. Write short note on any four.

- Functions of retina
- Functions of liver
- Osteoarthritis
- Functions of Human heart
- Draw a neat and labelled L.S. diagram of stomach.

7. Attempt any two.

- Discuss the physiology of muscle contraction and relaxation.
- Differentiate between the following : (Any two)
 - Sensory nerves and Motor nerves.
 - Smooth muscles and Cardiac muscles.
 - Compact bone and Spongy bone.
- Draw a labelled diagram of internal structure of heart.-

8. Attempt any two.

- Explain :
 - Rickets
 - Balanced diet
 - Bronchitis
 - Gouts
- Name the synovial joints and fixed joints.
- Explain the process of carbohydrate metabolism in liver.

F/2023/8104

P.T.O.

F/2023/8104