

26-12-2022

3704

## D.Pharma. (Part-I)

Diploma in Pharmacy Part I (New Scheme) (Main) Examination  
December-2022

### HUMAN ANATOMY & PHYSIOLOGY

Paper-IV

Time: Three Hours

Maximum Marks: 80

1. Do not write anything on question paper except roll number, otherwise it shall be deemed as an act of including in unfair means and action shall be taken as per rules.
2. Question paper contain three parts(I-III). Each part is compulsory. Read instructions carefully for each part before starting.
3. Attempt parts of each question altogether. Write question number of each part along with it.  
(This paper contains TWO pages)

#### Part I

Attempt ANY SIX out of following questions long questions.

06 x 05 = 30

1. Explain in detail about structure of female reproductive system.
2. Explain in detail about different parts of brain.
3. Write in detail about the anatomy and physiology of respiratory tract.
4. Write in detail about the physiology of heart.
5. Write in detail about the anatomy and physiology of digestive tract.
6. Define excretory system. Explain the various parts of kidney.
7. Explain in detail about structure and function of eye.

#### Part II

Attempt ALL of the following questions in short answer.

8. Attempt any SIX questions.

06 x 03 = 18

- a) Summarize the physiology of muscle contraction.
- b) Give a note on function of lymphatic system.
- c) What do you understand with term aqueous humour and vitreous humour?
- d) Write in detail about composition and functions of blood.
- e) Give a note on menstrual cycle.
- f) Write in short about the adrenal gland and its secretion.
- g) Write in short about structure of human cell.

9. Answer ALL questions.

04 x 03 = 12

- a) Give the name of carpal bones of proximal row.
- b) Give the teeth formula in a child and adult.
- c) Enlist the layers of skin.

- d) Enlist the various parts of gastro intestinal tract.

### Part III

Attempt ALL of the following objective questions.

10. Fill in the blanks or Answer in one word or one sentence.

07 x 01 = 07

- What are renal pyramids?
- Enlist the role of calcitonin in human being.
- Enlist the hormone secreted from thyroid gland?
- Name the ventricles present in the human brain.
- How many fallopian tubes are there in female?
- How many pairs of spinal nerves are present in human being?
- Enlist the muscles playing role in mechanism of respiration.

11. Fill in the blanks or Answer in one word or one sentence.

07 x 01 = 07

- Define spherocytosis.
- Give example of any two connective tissues.
- What is hemopoiesis?
- Enlist the paired bones of skull.
- Cell membrane is composed of .....
- Give the pH range of arterial blood. 7.4
- What is function of Luteinizing hormone?

12. Fill in the blanks or Answer in one word or one sentence.

06 x 01 = 06

- What is clitorius?
- Classify the leucocytes.
- Give the name of clotting factor no. IV.
- What is cauda equine?
- Give the chief function of cerebellum.
- What do you mean by the term synapse?

7.2