S.No. : 543

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BP101T

Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 28101 Roll No. 1 2 4 0 7 8 1 0 2 5

B. Pharm. Examination 2024-25

(Odd Semester)

HUMAN ANAYOMY AND PHYSIOLOGY-I

Time : Three Hours] *[Maximum Marks : 75*

Note :– Attempt all questions.

SECTION–A

1. Attempt all parts of the following : $10 \times 2 = 20$

(a) Define homeostosis.

(b) Write the names of cranial bones.

(c) Give the formula for blood pressure.

(d) Write the name of one disorder each related to eye and ear.

(e) Give the composition of hemoglobin.

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(f) Name two structural protein involved in skeletal muscle contraction.

(g) Classify various types of joints.

(h) What are the function of lymph?

(i) What are different types of conective tissues?

(j) Explain Rh factor and pulse.

SECTION – B

2. Attempt any three parts of the following : $10 \times 2 = 20$

(a) Sketch a well labeled diagram of heart. Discuss the conducting system of heart.

(b) Differentiate between sympathetic and parasympathetic nervos system.

(c) Discuss the various phases of cardiac cycle. How blood pressure is regulated by kidney.

SECTION – C

Note:- Attempt any seven question. $7 \times 5 = 35$

3. (a) Explain transport mechanism across plasma membrane.

(b) Define erythropoiesis, explain its mechanism in detail.

(c) Elaborate the process of blood coagulation.

(d) Elaborate the structure of skin with the help of a diagram.

(e) Discuss briefly the physiology of hearing.

(f) Explain the structure of neuron with diagram.

(g) How is lymph formed? What are different lymphatic organs and tissues?

(h) Write a note on blood group and function and composition of blood.

(i) Draw a well labelled diagram depicting anatomy of eye.

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Dense

