

Course: B. Pharmacy

Subject Name: Human Anatomy and Physiology -I

Max Marks: 75

Sem: I

Subject code: BP101T

Duration: 3 Hrs.

Instructions:

1. All questions are compulsory
2. Draw diagrams/figures wherever necessary
3. Figures to right indicates full marks

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Q.1. Objective Type Questions (Answer all the questions)

(10 x 2) = 20

- i. Give structural and functional classification of joints.
- ii. Explain in brief ABO blood groups.
- iii. Name the sense organs with their functions.
- iv. Discuss anatomy of neuron.
- v. Enlist the bones of appendicular system.
- vi. Define Blood pressure. enlist its types.
- vii. Discuss functions of skin.
- viii. Explain passive transport of material across the cell membrane.
- ix. Draw a neat labelled diagram of cell.
- x. Draw well labelled diagram of Lymph node.

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Q.2. Long Answers (Answer 2 out of 3)

- i. Define Tissue. Classify in details, Explain location, anatomy and physiology of Muscular tissues.
- ii. Discuss the structure of heart with neat labelled diagram. Explain the systemic and pulmonary circulations.
- iii. Discuss in detail classification peripheral nervous system and enlist different cranial nerves with their functions.

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Q.3. Short Answers (Answer 7 out of 9)

- i. Describe the anatomy and physiology of mitochondria.
- ii. What do you mean by feedback system. Explain positive feedback mechanisms for homeostasis.
- iii. Discuss in detail mechanism of blood clotting.
- iv. Define arteries and veins. discuss the cardiac cycle.
- v. Elaborate in detail epithelial tissue.
- vi. Explain the role of Renin-Angiotensin system in regulation of B.P.
- vii. Explain structure and functions of Eye.
- viii. Differentiate between sympathetic and parasympathetic nervous system.
- ix. Discuss in detail mechanism of muscle contraction.

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