CHAPTER I

PDL 101 HUMAN ANATOMY AND PHYSIOLOGY

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Scope of Anatomy & Physiology

1. Anatomy: Anatomy is the Science of body structures and relationships among the structures.

2. Physiology: Physiology is the Science of body functions, that is, how the body parts work.

3. To inquire into fascinating complexity of human body.

4. As gateway to careers in health related fields. Mass therapy and Athletics training.

5. As a foundation to advanced scientific studies.

6. To know the structure and function of human body.

7. For understanding pathology of disease and pathological changes.

8. For determining techniques of surgeries.

9. To know parameters of normal health.

10. Factors affecting various physiological processes and its effects.

11. Overall effective maintenance of individual and community health.

12. The Principles of Anatomy and Physiology to meet the existing requirement of introductory anatomy and Physiology courses.

13. It also gives values, simplicity, direction and sort of power to the learners.

14. Human Anatomy and Physiology is formidable body of knowledge to present in an introductory course and mastering subject.

15. It also highlights the practical application of anatomical and physiological concepts to students.

16. The dynamic physiological constancy known as Homeostasis the cardinal theme in principles of Anatomy and Physiology.

17. By studying concepts of Physiology, we know, how the various feedback mechanisms work to maintain physiological processes within a narrow range that is compatible with life.

18. It is needed to understand how individual structures are related to the composition of entire body. Therefore anatomical nomenclature such as regional names, directional terms and planes to sections that enable the learners to precisely describe the relationship of one body structure to another.