



**Avinashilingam Institute for Home Science and Higher Education for Women  
(Deemed to be University) Coimbatore-641 043**

**Bachelor's Degree Examination – April/May 2019**

**Semester II**

**Class : UG  
Major : Physical Education**

**Time : 3 hours  
Max. Marks: 100**

**18BPEC04-ANATOMY AND PHYSIOLOGY**

**PART-A**

**Circle the Correct Answer**

**10 X 1 = 10**

1. Anatomy means the study of \_\_\_\_\_.  
a) Physiology      b) Morphology      c) cell functions      d) Human functions
2. Which of the anatomical structure prevent the food from entering the food pipe?  
a) Tongue      b) Epiglottis      c) larynx      d) pharynx
3. Sliding filament theory of muscle contraction was given by  
a) Huxley      b) Newton      c) Darwin      d) Pythagoras
4. Fibers with small cross sectional areas are  
a) Fast Twitch      b) Slow twitch      c) Both A and B      d) None of the above
5. The blood gets oxygenated in \_\_\_\_\_.  
a) Lungs      b) Muscles      c) Liver      d) Heart
6. Lungs are the part of \_\_\_\_\_.  
a) Digestive system      b) Respiratory system      c) Nervous system      d) Circulatory system
7. A neuron that conveys Sensory Impulses from a receptor to the central nervous system is called  
a) Efferent nerve      b) Afferent nerve      c) Both      d) None of these
8. What exerts control over the pituitary gland?  
a) The pancreas      b) The thalamus      c) The heart      d) The Hypothalamus
9. Pancreas secretes \_\_\_\_\_.  
a) Insulin      b) Pepsin      c) Adrenalin      d) Thyroxin
10. The kidney gets blood supply from  
a) Renal veins      b) Renal arteries      c) Inferior venacava      d) All the above

Answer should not exceed 200 words or one page

5 X 6 = 30

- 11. a) Write about short notes on tissues. (or)
- 11. b) Draw the microscopic structure of the cell and label it.
- 12. a) Write about the muscle fiber. (or)
- 12. b) What are the characteristics of muscle? (or)
- 13. a) Draw the structure of lungs. (or)
- 13. b) Composition of blood-Narrate. (or)
- 14. a) Draw the structure of eyes and label it (or)
- 14. b) Explain about parathyroid gland and its functions. (or)
- 15. a) What are function of liver? (or)
- 15. b) Explain about pancreatic gland and its function (or)

Part-C

Answer the following

Answer should not exceed 1200 words or one page

5 X 6 = 30

- 16. a) Structure & function of the cell- explain? (or)
- 16. b) Need and importance of anatomy and physiology in the field of Physical Education - Explain (or)
- 17. a) Explain about the various types of synovial joints? (or)
- 17. b) Draw the structure of skeletal muscle and explains its types (or)
- 18. a) Explain the mechanism of Respiration and its Functions. (or)
- 18. b) Draw and explain the structure of the heart. (or)
- 19. a) Structure and function of skin-explain (or)
- 19. b) Write the functions of brain in detail (or)
- 20. a) Draw and Explain the Functions of digestive system. (or)
- 20. b) Draw and Explain the Functions of Kidney system. (or)