



Neeraj

Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)

Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B

Coimbatore - 641 043, Tamil Nadu, India

**Bachelor's Degree Examination – July 2022
II Semester**

**Class : I UG
Major : Physical Education**

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

21BPEC04 Anatomy and Physiology

Course Outcomes:

1. Gain understanding of the basics of Human Anatomy and Physiology
2. Categorize the major organs and its functions of the body.
3. Apply the Anatomy and physiological knowledge in the field of physical Education
4. Differentiate the interdependency of the systems and its coordinated functions
5. Analyze the Systems and its function during practical situation to overcome health hazards

Part A

Choose the Correct Answer

10 x1 = 10

1. What is the name of the study of cells at the microscopic level?
a. Cytology
b. Histology
c. Neurophysiology
d. Metrology
CO1K1
2. How many categories of tissues are in human body?
a. 3
b. 4
c. 2
d. 5
CO2K1
3. Total no. of Bones present in Human body is
a. 4
b. 5
c. 6
d. 206
CO3K2
4. The skeletal system can be classified into
a. 2
b. 3
c. 1
d. 4
CO2K2
5. The fluid which carries materials to and from the tissue is
a. Blood
b. Plasma
c. Vessels
d. Capillaries
CO3K2
6. Red Blood Cells are called as
a. Erythrocytes
b. Leukocytes
c. Platelets
d. Heart
CO1K1
7. Which system is secreting hormones?
a. Endocrine
b. Liver
c. Skeletal
d. Cardiac
CO2K3
8. The organ which secretes both endocrine and exocrine cells is
a. Pancreas
b. Adrenal
c. Thyroid
d. Kidneys
CO3K3
9. The gastrointestinal system is called as
a. Digestive system
b. Skeletal system
c. Muscular system
d. Cardiac system
CO2K2
10. The sense organ may be classified into
a. 4
b. 5
c. 3
d. 6
CO2K1

Part B
Answer ALL questions
Each answer should not exceed 400 words or two pages

5 x 6 = 30

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| 11.a. Describe the various studies related to Anatomy, the classifications of Tissues.
(or) | CO1K1 |
| 11.b. Describe the movements of Human body. | CO2K2 |
| 12.a. Draw a neat diagram of bone and label all parts.
(or) | CO3K3 |
| 12.b. Write about the divisions of skeletal system. | CO4K2 |
| 13.a. Write down the functions of Blood.
(or) | CO2K2 |
| 13.b. Write short notes on Cardiac Cycle and Cardiac output. | CO3K4 |
| 14.a. Draw a neat diagram of human brain and label the parts.
(or) | CO4K2 |
| 14.b. Write a short notes on Pituitary gland and Pancreas. | CO2K1 |
| 15.b. Write short notes on Large intestine and Small intestine.
(or) | CO3K2 |
| 15.b. Brief about the Reflex Arc. | CO3K1 |

Part C
Answer ALL questions
Each answer should not exceed 800 words or four pages

5 x 12 = 60

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| 16.a. Draw a neat diagram of Human cell and label all parts and narrate its essential functions.
(or) | CO3K3 |
| 16.b. Explain the classification of tissues and its functions. | CO4K3 |
| 17.a. Draw the anatomical structure and functions of skeletal system.
(or) | CO2K3 |
| 17.b. Describe briefly about the mechanism and Regulations of respiratory system. | CO3K4 |
| 18.a. Draw the anatomical structure of human heart and its functions.
(or) | CO4K2 |
| 18.b. Explain the functions of nervous system. | CO2K3 |
| 19.a. Explain any two sensory organs with diagram.
(or) | CO3K4 |
| 19.b. Enumerate the growth, development by endocrine glands. | CO3K3 |
| 20.a. Explain about the structure and functions of urinary system.
(or) | CO2K2 |
| 20.b. Draw the anatomical structure of Digestive system and explain its various parts. | CO3K2 |
