



Murugan.

Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with A++Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continues Internal Assessment – I (February 2023)
Semester II

Class: I B.Sc

Major: Bachelor of Physical Education

Time: 3 Hrs.

Max Marks: 60

21BPEC04 - Anatomy and Physiology

Course Outcomes:

1. Define a anatomic terms refer to the human body in terms of axis and planes.
2. Identify and locate the anatomical structures and functions of the human body.
3. Categorize the major organs and its functions of the body.
4. Describe the interdependency and interactions of t he systems.
5. Develop the practical knowledge in modern technology and tools to basic scientific facts.

PART – A

Circle the Correct Answer

6 x 1 = 6
CO1K2

1. Choose the incorrect answer from the below
 - a. Human anatomy is the study of the body structures
 - b. The anatomy derived from a latin word Anatomia meaning cut up
 - c. The word skeleton comes from the Greek word skeleton meaning "dried up".
 - d. Systemic anatomy studies functional relationships of organs within a system

2. Choose the correct answer from the below

CO1K1

- | | |
|---------------------------------|--------------------------------|
| a. Physiology - Study of nature | b. Anatomy - Study of function |
| c. Physiology -To cut up | d. Anatomy - Study of nature |

3. The basic living structural and functional unit of the body

CO2K2

- | | | | |
|-----------|---------|---------------|-----------|
| a. Muscle | b. Cell | c. Organelles | d. tissue |
|-----------|---------|---------------|-----------|

4. Choose the correct example for prokaryotic cells

CO1K1

- | | | | |
|-------------------------|-------------|----------|---------------------|
| a. Bacteria and Archaea | b. Protozoa | c. Fungi | d. Plants & Animals |
|-------------------------|-------------|----------|---------------------|

5. The science that deals with the study of a tissue is

CO1K3

- | | | | |
|-------------|--------------|------------|---------------|
| a. Cytology | b. Histology | c. Myology | d. Physiology |
|-------------|--------------|------------|---------------|

6. The nervous tissue consist of nerve cells and

CO1K1

- | | | | |
|--------------|------------------|------------|------------|
| a. Cartilage | b. Blood vessels | c. Osseous | d. Neurons |
|--------------|------------------|------------|------------|

PART – B

Answer should not exceed 400 words or One Page

3X 6 = 18

- 7 a Explain Anatomy and physiology in detail

COIK2

OR

- 7b Explain Physiology in detail

CO2K3

- 8 a Explain Gross anatomy and microscopic anatomy with examples

CO1K2

OR

- 8 b. Explain with examples

CO2K2

- 9 a. Briefly explain the characteristics of cell

CO2K3

OR

- 9 b. Briefly explain cell theory

CO2K3

PART – D

Answer should not exceed 800 words or four pages

3X12= 36

- 10 a Enumerate the types of cells

CO2K3

or

- 10 b Explain the difference between prokaryotic cell and eukaryotic cell

CO2K3

- 11a. Draw a cell structure and explain the function of organelles

CO2K3

or

- 11 b Draw a various types of tissue present in the human body and enlist their functions.

CO2K3

- 12 a. Explain in detail about Axial and Appendicular System of human body

CO2K3

or

- 12b Explain types of muscle in detail

CO2K3