



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 – May 2023
II Semester

Class : I UG
Major : Physical Education

Time: 3 Hours
Max. Marks: 100

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 the systems.
5. Develop the practical knowledge in modern technology and tools to basic scientific facts.

Part A

10 x 1 = 10

Choose the Correct Answer

1. Anatomy is a term which means the study of _____
a. Morphology b. Human functions c. Structure of Human body d. Physiology CO2 K2
2. A study dealing with the explanations of how an organ works is _____
a. Cytology b. Anatomy c. Physiology d. Teleology CO2 K2
3. Which of the following is the Eight bony part of the human skeleton?
a. Cervical b. Cranium c. Coccyx d. Clavicle CO3 K3
4. What do joints do when they move? It acts as
a. Lever b. Fulcrum c. Load d. Effort CO1 K2
5. What is a human heart made up of?
a. Skin b. Bone c. Muscle d. Tissues CO2 K3
6. What part of blood is responsible for carrying wastes, nutrients and minerals?
a. Plasma b. Red Blood Cells c. Platelets d. White Blood Cells CO3 K2
7. Which of the following is the structural and functional unit of the human nervous system?
a. Brain b. Neuron c. Axon d. Dendron CO4 K2
8. Which of the following taste bud is present on the lateral sides of the human tongue?
a. Sour b. Bitter c. Sweet d. Salty CO2 K2
9. Which of the following cells in the pancreas make insulin?
a. Epithelial cells b. Germ cells c. Islet cells d. Hepatic cells CO3 K3
10. Which of the following is the largest gland in human body?
a. Thymus b. Liver c. Pancreases d. Kidney CO2 K1

Part B

5 x 6 = 30

Answer All questions

Each answer should not exceed 400 words or two pages

- 11.a. Describe the need and importance of anatomy in the field of physical education. CO2 K3
(or)
- 11.b. Define cell and Draw and classify its structure. CO3 K2
- 12.a. Describe the structure and functions of bone with diagram. CO3 K2
(or)
- 12.b. List down the major joints in human body CO2 K2
- 13.a. Describe the function of Blood. CO2 K2
(or)
- 13.b. Describe the structures involved in coronary circulation. CO2 K2
- 14.a. Sketch a brain diagram and label its part. CO3 K4
(or)
- 14.b. Describe the structure and functions of skin. CO2 K2
- 15.a. Summarize the functions of pancreas, CO3 K3
(or)
- 15.b. Describe the functions of Gall bladder. CO2 K3

Part C

5 x 12 = 60

Answer All questions

Each answer should not exceed 800 words or four pages

- 16.a. Describe the terms and terminologies used in Anatomy and Physiology. CO3 K2
(or)
- 16.b. Explain the function of various types of tissues. CO3 K2
- 17.a. List out the name of the human bones with flow chart. CO2 K2
(or)
- 17.b. Explain the general characteristics and classifications of muscle. CO3 K2
- 18.a. Sketch a neat diagram of heart and label it parts. CO2 K3
(or)
- 18.b. Explain the structure and functions of respiratory system with neat diagram. CO4 K3
- 19.a. Illustrate the structure and hormones secreted from pituitary gland. CO2 K2
(or)
- 19.b. Explain the functions of thyroid and parathyroid gland. CO3 K2
- 20.a. Explain the functions of kidney with neat diagram. CO2 K4
(or)
- 20.b. Explain liver and its functions with diagrams. CO2 K2
