

(6 Pages)

Reg. No. :

Code No. : 10531 E Sub. Code : CAPE 11

B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2023.

First Semester

Physical Education — Allied

BASIC ANATOMY AND PHYSIOLOGY

(For those who joined in July 2021 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. The study of the functions of human body is ——
(a) Anatomy (b) Physiology
(c) Psychology (d) Sociology
2. The total number of bones in human body is ——
(a) 207 (b) 206
(c) 205 (d) 214

3. Respiratory system is related to ——
(a) Heart (b) Lungs
(c) Liver (d) Brain
4. The length of the digestive track is —— mts.
(a) 2 (b) 3
(c) 5 (d) 7
5. The heart is made up of
(a) Voluntary muscle (b) Cardiac muscle
(c) Involuntary muscle (d) Connective tissue
6. Blood is a form of —— tissue.
(a) Fluid (b) Connective
(c) Boney (d) Joint
7. The junction between a nerve cell and a muscle fiber is known as ——
(a) synapse
(b) dendrites
(c) neuromuscular junction
(d) tendon

8. Which part of the brain is responsible for the co-ordination of muscular activity?

- (a) Cerebrum (b) Cerebellum
(c) Spinal cord (d) Medulla

9. A normal human body has ———— kidneys.

- (a) 1 (b) 2
(c) 3 (d) 4

10. The endocrine system is controlled by ————

- (a) Pituitary gland (b) Thyroid gland
(c) Parathyroid (d) Pancreas

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) What is the study of anatomy and physiology explain?

Or

(b) What are the classifications of bones?

12. (a) What are the functions of bones?

Or

(b) What is internal respiration and external respiration?

13. (a) Explain the functions of small intestine.

Or

(b) Write down the different arteries that function in the heart.

14. (a) Write down the immovable joints.

Or

(b) What is pancreas explain it?

15. (a) Describe the following :

- (i) Slightly movable joint
(ii) Freely movable joint.

Or

(b) What is muscles? Explain its types and functions.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 600 words.

16. (a) Draw a neat diagram of cell and explain the parts.

Or

- (b) Explain the structure and function of lungs.

17. (a) Explain the structure and functions of stomach.

Or

- (b) Draw a neat diagram of digestive system.

18. (a) Why does blood clot? Discuss with examples.

Or

- (b) Write down the kinds of blood group and discuss the benefits of being a universal donor.

19. (a) Explain the structure and function of cerebrum.

Or

- (b) Draw the diagram of spinal cord and its parts.

20. (a) Explain the structure and function of skin.

Or

- (b) Name the endocrine glands and explain any two of the endocrine glands.