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Reg. No. :

Code No. : 20478 E Sub. Code : CAPE 11

B.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2021

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 — ($10 \times 1 = 10$ marks)

Answer ALL questions.

Choose the correct answer :

1. The term Anatomy comes from _____ words.
(a) French (b) Greek
(c) Latin (d) Spanish

2. _____ supports the body and gives it a shape.
- (a) Muscular system (b) Respiratory system
(c) Skeletal system (d) Digestive system
3. _____ is the study of muscles.
- (a) Biology (b) myology
(c) geology (d) ostrology
4. Muscular system consist of _____ Muscles.
- (a) 400 (b) 500
(c) 600 (d) 700
5. The respiratory system is a system which regulates the _____
- (a) Human performance (b) human activity
(c) Exchange of oxygen (d) exchange of gases
6. IRV expansion.
- (a) Inspiratory Reserve Volume
(b) Inspiratory Rest volume
(c) Internal Rest Volume
(d) Internal Reserve Volume

7. Which of the following screens all sensory messages traveling to the cerebral cortex.
- (a) Limbic system
 - (b) Diencephalon
 - (c) Reticular activating system
 - (d) Medulla oblongata
8. Which of the following relays messages between upper and lower levels of the nervous system.
- (a) Occipital lobe (b) Cerebellum
 - (c) brainstem (d) Cerebrum
9. Name the Glands associated with the Human Digestive System.
- (a) Salivary Glands and Pancreas
 - (b) Salivary Glands and Liver
 - (c) Liver and Pancreas
 - (d) Salivary Glands, Liver and Pancreas
10. Name the largest part of the Alimentary canal.
- (a) Large Intestine (b) Small Intertine
 - (c) Liver (d) Stomach

PART B — ($5 \times 5 = 25$ marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Importance of anatomy in Physical Education and Sports.

Or

- (b) Explain about Organ.

12. (a) Write the advantages of muscular system in the field of Physical Education and Sports.

Or

- (b) Education about muscle fiber.

13. (a) Explain the structure and functions of lungs.

Or

- (b) Explain Cardiac cycle.

14. (a) Write the types of nervous system.

Or

- (b) What are the functions of the brain?

15. (a) Describe the processing of digestion.

Or

- (b) Write the functions of skin and kidney.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b)

Each answer should not exceed 600 words.

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

Or

- (b) Explain the needs of anatomy in physical education and sports.

17. (a) Write down the functions of skeletal muscle.

Or

- (b) Draw the diagram of human skeletal system.

18. (a) Draw the diagram of heart and explain it.

Or

- (b) What is blood and its functions?

19. (a) What are the parts of the brain and their functions?

Or

- (b) Draw a diagram of nervous system and explain it.

20. (a) Explain the types of energy resources.

Or

(b) Write the functions of digestive system.
