

22BP12

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Name:

Reg. No:

FIRST YEAR B.P.Ed (INTEGRATED) DEGREE EXAMINATION, APRIL 2023

(Regular/Supplementary/Improvement)

CC15U BPE1 T2 / CC19U BPE1 T2 - BASIC AND SYSTEMIC ANATOMY

(2015 Admission onwards)

Time: Three Hours

Maximum: 75 Marks

Answer any *three* questions from **Part A** and *one* question from a **Part B**.

Question from **Part C** is **compulsory**.

Part A

1. Explain the structure and functions of respiratory system with a neat labeled diagram.
(1 × 15 = 15 Marks)
2. Give brief explanation on:
 - (a) Clotting of blood and its chemistry.
 - (b) Digestive system.
 - (c) Pituitary gland.(3 × 5 = 15 Marks)
3. Give short description on:
 - (a) Circulatory system.
 - (b) Mechanism of vision.
 - (c) Justify the need and importance of knowledge of anatomy in physical education.(3 × 5 = 15 Marks)
4.
 - (a) Structure and functions of human cell.
 - (b) Protein synthesis.
 - (c) Rib cage.(3 × 5 = 15 Marks)
5. Explain briefly about the structure of the following:
 - (a) Knee joint.
 - (b) Neuron.
 - (c) Nephron.(3 × 5 = 15 Marks)

Part B

6. Explain the types and function of muscles. Illustrate the structure of typical skeletal muscle.
(1 × 15 = 15 Marks)

7. Briefly explain the following:
- (a) Shoulder joint.
 - (b) Types of tissues.
 - (c) Skin structure and function.

(3 × 5 = 15 Marks)

Part C

8. Write short note on any *five* of the following:
- (a) Pancreas.
 - (b) Taste buds: types and distribution.
 - (c) Functions of blood.
 - (d) Vital capacity.
 - (e) Systolic and diastolic pressure.
 - (f) Cerebellum.
 - (g) Muscles of respiration.
 - (h) Myopia and hyperopia.

(5 × 3 = 15 Marks)
