

QP CODE: 208022

Reg. No:

**Second Year Bachelor of Occupational Therapy Supplementary
Examinations February 2024**

Biomechanics, Applied Anatomy and Applied Physiology

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Elaborate on

(2x20=40)

1. Explain in detail the wrist complex.
2. Describe in detail the structure and properties of heart muscles. Elaborate on the determinants of cardiac performance.

Write notes on

(8x5=40)

3. General function of intrinsic muscles of the foot
4. Abnormalities in muscle tone
5. Explain Wallerian Degeneration with a diagram.
6. Describe prehension skills in the hand
7. What is different between kinetics and kinematics.
8. Explain about nervous control of respiration
9. Explain reciprocal innervation in detail.
10. Elaborate on the determinants of the gait cycle.

Short Answers

(10x2=20)

11. Ligaments of the hip joint
12. Types of nerve cells.
13. Describe in detail the properties of the muscle
14. The effects of exercise on respiration
15. Neuromuscular transmission
16. Newton's third law
17. Explain regeneration of the nerve.
18. Explain the breath sounds
19. Coxa valga
20. Properties of mixed nerves.
