

QP CODE: 102022

Reg. No:

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

Physiology

(2020 Scheme)

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*

Essay

(2x20=40)

1. What is hemostasis. List the steps of hemostasis. Explain intrinsic and extrinsic mechanisms of clotting.
2. With the help of a diagram, describe the origin, course and termination of pyramidal tract. Write the differences between UMN and LMN lesions.

Short Essays

(8x5=40)

3. Transport of oxygen in blood.
4. Functions of bile.
5. Active transport across cell membrane.
6. Baroreceptor mechanism for the regulation of blood pressure.
7. Mechanism of contraction of skeletal muscle.
8. Water reabsorption from renal tubule.
9. Contraceptive methods in females.
10. Actions of parathyroid hormone.

Short Notes

(10x2=20)

11. Refractory errors.
12. Functions of Sertoli cells.
13. Oxygen debt.
14. Action potential in a neuron.
15. Milk ejection reflex.
16. Dead space.
17. Actions of insulin on carbohydrate metabolism.
18. Micturition reflex.
19. Name the phases of cardiac cycle and the duration of each phase.
20. Second stage of deglutition.
