

QP CODE: 102022

Reg. No: .....

**First Year Bachelor of Occupational Therapy Regular/Supplementary  
Examinations October 2023**

**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 are the steps in formation of urine. What are the factors favouring filtration. How is glomerular filtration rate measured. (15+5)
2. Describe the different phases in menstrual cycle. Mention the role of different hormones also in it. What are the tests for ovulation. (10+5+5)

**Short Essays**

**(8x5=40)**

3. Visual pathway and effect of lesions on it.
4. Blood pressure and its short term regulation.
5. Functions of surfactant.
6. Coagulation of blood.
7. Oxyhemoglobin dissociation curve.
8. Functions of Thalamus.
9. Functions of small intestine.
10. Factors affecting endurance and muscle strength.

**Short Notes**

**(10x2=20)**

11. Cyanosis.
12. Hypoxia.
13. Dietary fiber.
14. Jaundice.
15. Neuron.
16. Humoral immunity.
17. Tidal volume.
18. Oxytocin.
19. Receptor for gustation.
20. Calcitonin.

\*\*\*\*\*