

**QP CODE: 102022**

**Reg. No: .....**

**First Year Bachelor of Occupational Therapy Supplementary  
Examinations April 2022**

**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*

**Essay**

**(2x20=40)**

1. Define cardiac cycle. Explain the mechanical event taking place during each cycle. Add a note on intra ventricular pressure volume changes and heart sound (5+5+3+2+5)
2. Name the ascending tracts? explain the origin course and termination of each tract with a neat and labelled diagram? (5+10+5)

**Short Essays**

**(8x5=40)**

3. Transmission across neuromuscular junction
4. Stroke volume and its regulation.
5. Chemical regulation of respiration.
6. Synapse and its role in nervous system.
7. Functions of basal ganglia.
8. Cushing's syndrome.
9. Contraceptive methods.
10. What is deglutination and explain the stages.

**Short Notes**

**(10x2=20)**

11. Spirometry
12. Lung compliance
13. Micturition
14. Cardiac output
15. Respiratory membrane
16. Anaemia
17. Platelet
18. Oxyhemoglobin
19. Diuresis
20. Oxygen debt

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