



# VIDYA SIRI COLLEGE OF PHARMACY

( A Unit of Kasipathi Educational Trust @ 157/2017 -18)

(Recognized by Government of Karnataka, Affiliated to Pharmacy Council of India, New Delhi & Board of Examining Authority, Drugs Control Department, Government of Karnataka)

www.vidyasiricop.edu.in

## THIRD SESSIONAL EXAM Question Paper (THEORY)

2021-22

Branch: D. Pharm

Year: I. D. Pharm

Subject & Subject Code: Human anatomy and physiology

Marks: 40

Date: 07/07/2022

Time: 90 min

### *Instruction to Candidates:*

- 1) Attempt All three Sections
- 2) Draw the neat labeled diagrams wherever necessary.

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### **I. Long Answers (Answer any 3 out of 4 questions) 3 X 5 marks=15 Marks.**

1. Explain blood pressure and its regulation.
2. Explain the mechanism of muscle contraction with the neat labeled diagram.
3. Give anatomy and physiology of sense organ - Ear
4. Explain physiology of menstruation.

### **I. Short Answers (Answer any 5 out of 6 questions) 5 X 3 Marks= 15 Marks**

5. Explain ECG and its components.
6. Explain any 2 disorders of skeletal muscle.
7. Give a general classification of nervous system.
8. Explain mechanism of hearing with neat labeled diagram.
9. Give differences between sympathetic and parasympathetic nervous system.
10. Explain the lymph node with neat labeled diagram.

### **II. Objective Answers (Answer all 10 out of 10 questions) 10 X 1 Marks = 10 marks**

11. Define cardiac cycle.
12. Draw the structure of actin and myosin.
13. Give an account of heart sounds.
14. Define ECG and its importance.
15. Give components of CNS.
16. Name thyroid hormones.
17. Define spermatogenesis and oogenesis.
18. Give a structure of spleen.
19. How many cranial nerves are found in human.
20. Define pulse rate.

**SUBMIT YOUR ANSWERS ON OR BEFORE 3:40PM TODAY to**  
[anatomyphysiology20@vidyasiricop.edu.in](mailto:anatomyphysiology20@vidyasiricop.edu.in)



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