

Q.P. Code – 42343

Third Semester B.Sc. Degree Examination, October/November 2019

(CBCS Scheme)

Zoology

Paper III — PHYSIOLOGY AND HUMAN ANATOMY

Time : 3 Hours]

[Max. Marks : 90

Instructions to Candidates : Draw neat labeled diagrams wherever necessary.

PART – A

I. Answer any **TEN** of the following : (10 × 2 = 20)

1. What is Homeostasis?
2. Mention gastro-intestinal disorders of man.
3. What is Expiratory Reserve Volume (ERV)?
4. Name the Respiratory pigments.
5. Write the composition of normal urine.
6. What is coronary thrombosis?
7. Define resting membrane potential.
8. List the functions of Thyroid gland.
9. Draw a neat labeled diagram of Atlas.
10. Define venous system.
11. What is Renal corpuscle?
12. Name different parts of female reproductive system.



PART – B

II. Answer any **SIX** of the following : (6 × 5 = 30)

13. Describe the physiology of carbohydrate absorption.
14. Explain the effects of smoking.

**Q.P. Code - 42343**

15. Write a note on Anaemia.
16. Explain the structure of Neuron.
17. With a labeled diagram explain the Human Scapula.
18. Explain the oral cavity of man.
19. Draw a neat labeled diagram of V.S. of Human heart.
20. Explain the Respiratory system of man.

**PART - C**

III. Answer any **FOUR** of the following : **(4 × 10 = 40)**

21. Explain Ammonotelism and Uricotelism, Add a note on formation of urea.
22. Describe origin and conduction of cardiac impulse.
23. Write notes on :
  - (a) Sliding filament theory of muscle contraction.
  - (b) Ultra structure of skeletal muscle.
24. Describe the structure and functions of Adrenal gland.
25. With a neat labeled diagram, Explain the Human Hind limb bones.
26. Explain the Gross structure of Human Brain.