



25022292

QP CODE: 25022292

Reg No :

Name :

M.Sc DEGREE (CSS) SPECIAL REAPPEARANCE EXAMINATION, APRIL 2025

Third Semester

M.Sc ZOOLOGY

CORE - ZL010301 - ANIMAL PHYSIOLOGY

2019 ADMISSION ONWARDS

0E004282

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

*Weight **1** each.*

1. Describe feeding, digestion and absorption in coelentrates with examples.
2. Explain isovolumetric contraction.
3. What is Mean arterial pressure?
4. Give a brief note on respiration of a newborn baby.
5. What are Mechanoreceptors?
6. What are muscle proteins? Classify.
7. Write any four difference between Red and White muscles.
8. List out the excretory organs in invertebrates with suitable examples.
9. What are the roles of Ecdysone and Juvenile hormone?
10. List out the importance of breast feeding.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

*Weight **2** each.*

11. What is Leptin? Mention its role.
12. Explain briefly the neural regulation of thirst.
13. Explain mechanism of inspiration and expiration.
14. What is posture? Explain the mechanisms involved in the maintenance of posture.





15. What are the common types of headaches? Describe in detail.
 16. Compare the temperature compensation and temperature regulation mechanisms in poikilotherms and homoeotherms?
 17. Explain the physiological role of peptide hormones produced by the posterior pituitary gland.
 18. Explain the anatomy of human female reproductive system with labelled diagram.
- (6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

*Weight **5** each.*

19. Give an account on the comparative anatomy of heart structure in vertebrates
 20. Describe the neuroanatomy of the central and peripheral nervous system in detail.
 21. Explain hormonal regulation of urine concentration.
 22. Write an essay on the endocrine control of ovarian cycle.
- (2×5=10 weightage)

