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Reg. No.....

Name.....

M.Sc. DEGREE (C.S.S.) EXAMINATION, JANUARY 2024

Third Semester

Faculty of Science

Branch VIII—Zoology

ZY 3C T11—ANIMAL PHYSIOLOGY

[2018 Admissions—Supplementary/2017, 2016 and 2015 Admissions—Mercy Chance]

Time : Three Hours Maximum Weight : 30

Section I (Short Answer Type Questions)

Answer any **ten** *out of twelve.*
Weight 1 *each.*

1. Dialysis.
2. Circulatory shock.
3. Pain receptors.
4. Intestinal hormones.
5. Acidosis.
6. Electroreceptors.
7. Circulatory arrest.
8. Myogenic heart.
9. Blood buffers.
10. Bio-amines.
11. Parturition.
12. Lactation.

(10 × 1 = 10)

Turn over

Section II (Short Essay Type Questions)

Answer any **five** *out of eight.*
Weight 2 *each.*

13. Impact of temperature on the rate of biological functions.
14. Synthetic hormones.
15. Respiratory pigments structure and functions.
16. Neural control of muscle tone and posture.
17. Mechanism of enzyme action.
18. Physiology of digestion and absorption.
19. Mechanoreceptors.
20. Physiology of vision.

$(5 \times 2 = 10)$

Section III (Long Essay Type Questions)

Answer any **two** *out of three.*
Weight 5 *each.*

21. Physiology and hormonal regulation of urine formation.
22. Physiology of implantation, pregnancy, parturition, and lactation.
23. Neuroendocrine regulation of hormone action.

$(2 \times 5 = 10)$