18001861

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Reg. No.....

Name.....

M.Sc. DEGREE (C.S.S.) EXAMINATION, NOVEMBER 2018

Third Semester

Faculty of Science

Branch VIII : Zoology

ZY 3C T11—ANIMAL PHYSIOLOGY

(2012 Admission onwards)

Time : Three Hours

Maximum Weight : 30

Section I (Short Answer Type Questions)

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

1. Hunger drive.
2. Circulatory shock.
3. Respiratory muscles.
4. Artificial kidney.
5. Acidosis.
6. Electroreceptors.
7. Red and white muscles.
8. Catch and fibrillar muscles.
9. Aestivation.
10. Eicosanoids.
11. Chalones.
12. Lactation.

(10 × 1 = 10)

Section II (Short Essay Type Questions)

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

13. Physiology of digestion and absorption.
14. Pacemakers.
15. Respiratory pigments structure and functions.
16. Physiology of urine formation.
17. Mechanism of hearing.
18. Ultrastructure of skeletal muscle.

Turn over

19. Physiological role of pituitary gland.

20. Reproductive cycles of mammals and their hormonal control.

(5 × 2 = 10)

Section III (Long Essay Type Questions)

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

21. Structure of invertebrate and vertebrate age.

22. Energetics of muscle contraction.

23. Neuroendocrine regulation of hormone action.

(2 × 5 = 10)