



185377

K19P 1134

Reg. No. :

Name :

III Semester M.Sc. Degree (CBSS-Reg./Suppl./Imp.)
Examination, October - 2019
(2014 Admission. Onwards)
ZOOLOGY
ZOO3C10 - ANIMAL PHYSIOLOGY

Time : 3 Hours

Max. Marks : 60

- I. Answer any **TWO** of the following. (2×12=24)
1. Explain in detail oxygen and carbon dioxide transport.
 2. Give a detailed account of the structure of the heart and cardiac cycle.
 3. Write an essay on neurotransmitters and their mechanism of action.
 4. Describe in detail the various mechanisms of homeostasis in vertebrates.
- II. Answer any **TWO** of the following. (2×8=16)
5. Comment on the abnormal constituents of urine and the physiology of micturition.
 6. Write an essay on the physiology of digestion of carbohydrates and proteins.
 7. Explain the mechanism of muscle contraction.
 8. Write an essay on the factors regulating body temperature.
- III. Write short notes on any **FOUR** of the following. (4×5=20)
9. Differences between extracellular and intracellular digestion.
 10. Abnormal heart beats.
 11. Renal regulation of acid base balance.
 12. Gastrointestinal hormones
 13. Cardiac and skeletal muscles
 14. Acclimatization.
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