

19P215

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Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2020

(CUCSS - PG)

CC17P ZO2 C04 - PHYSIOLOGY

(Zoology)

(2019 Admissions - Regular)

Time: Three Hours

Maximum: 30 Weightage

I. Answer any *four* questions.

1. Explain structure of uterus and add note on micturition reflex?
2. Antioxidant nutrients and add a note on importance of antioxidants in food
3. Write an account of cardiac cycle and waves generated?
4. Differentiate short term and long term memory
5. Explain dead space and its role in respiration?
6. Write note on Limbic system?
7. Explain the composition and formation of lymph

(4 x 2 = 8 Weightage)

II. Answer any *four* questions.

8. Write note on blood volumes and blood pressures?
9. Discuss the oxygen dissociation curve and the factors affecting binding of oxygen to haemoglobin?
10. Explain the role of hormones and neurotransmitters in the control of gastrointestinal motility?
11. Explain the importance of coronary blood flow and its regulation?
12. Describe the details of brain stem organisation and its function?
13. Discuss the mechanism of renal acid base balance and electrolyte balance?
14. Describe the Physiology of taste?

(4 x 3 = 12 Weightage)

III. Answer any *two* questions.

15. Discuss in detail the role of Endocrine system in regulation of body temperature?
16. Explain the neural and chemical regulation of respiration?
17. Write detailed account on Electrophysiology of vertebrate vision?
18. Explain the neural and chemical regulation of heart function?

(2 x 5 = 10 Weightage)
