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Name:

Reg. No.....

SIXTH SEMESTER B.Sc. DEGREE EXAMINATION, MARCH 2018

(CUCBCSS-UG)

CC15U ZO6 B11 - PHYSIOLOGY AND ENDOCRINOLOGY

Zoology - Core Course

(2015 Admission)

Time: Three Hours

Maximum: 80 Marks

A. Answer *all* questions.

1. What are triggering hormones?
2. What do you understand by tachycardia?
3. Define sarcomere.
4. Addison's disease.
5. Expand the abbreviation GABA.
6. What is rigor mortis?
7. What are Iodothyronines?
8. Define Cori cycle.
9. What is ESR ?
10. Name any two hormones secreted by thyroid gland.

(10x1=10 Marks)

B. Answer any *ten* questions in two or three sentences.

11. Differentiate between Rennin and Renin.
12. What are the functions of electric organs?
13. Distinguish between Ureotelism and uricotelism.
14. What are the functions of Ecdysone?
15. What causes haematuria?
16. Comment on Giant nerve fibre.
17. Write notes on cretinism.
18. Comment on X organs.
19. What is aphaeresis?
20. What is Hamburger effect?
21. Comment on hypoxia.
22. What are neurotransmitters? Give an example.

(10x2=20 Marks)

C. Answer any *five* questions.

23. Describe the role of hormones in insect metamorphosis.
24. Explain the manner of osmoregulation in terrestrial animals.
25. Pancreas is a heterocrine gland. Substantiate the statement.
26. Give an account of the structure and role of Haemoglobin.
27. Describe the sliding filament theory of muscle contraction.
28. Give an account on different types of respiratory pigments.
29. What are the advantages of breast feeding?
30. Give an account of hormonal control on urine production.

(5x6=30 Marks)

D. Write essays on any *two* of the following.

31. Describe the enzyme cascade theory of blood coagulation.
32. Explain CO₂ transport.
33. Give an account of the mechanism of Hormone action.
34. Explain Urea cycle

(2x10=20 Marks)
