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Register Number:

Name of the Candidate:

5303

B.Sc. DEGREE EXAMINATION, 2013

(ZOOLOGY)

(THIRD YEAR)

(PART-III)

710. ANIMAL PHYSIOLOGY

December]

[Time : 3 Hours

Maximum : 100 Marks

SECTION-A

(10×2=20)

Answer any TEN questions

1. ISO enzymes.
2. Malnutrition.
3. Confugated Protein.
4. Neurogenic heart.
5. Plasma.
6. Pace maker.
7. Respiratory Pigments.
8. Bohr Effect.
9. Electro Cardiogram.
10. Neurons.
11. Reflex Action.
12. Serfoli cells.
13. Grafian Follicles.
14. Corpus Luteum.
15. Homeotherms.

SECTION-B

Answer ALL questions

(5×7=35)

16. a) How Proteins are classified?

(OR)

- b) Write about the factors which affect the enzyme action.

17. a) Explain the conduction of heartbeat.

(OR)

- b) Describe the structure of human heart with suitable diagram.

18. a) Explain the O₂ transport form lungs to cells.
(OR)
b) Explain the O₂ dissociation curve.
19. a) Describe the structure of nephron with suitable diagram.
(OR)
b) Explain the reflex action.
20. a) What are female hormones? Add a note on its significance.
(OR)
b) Describe the female reproductive system of human.

SECTION-C

Answer any THREE questions

(3×15=45)

21. Describe the classification of carbohydrate and add a note on its function.
22. Describe the internal structure of the human heart and explain the mechanism of blood circulation in human heart.
23. Write an account on different types of Respiratory Pigments.
24. Describe the structure of human kidney and explain the mechanism of urine formation 1ⁿ nephron.
25. Hibernation is an adaptation to overcome the winter-Discuss.
