

18. (a) Describe the anatomy of respiratory tract.

Or

- (b) Present the structure of nephron.

19. (a) Narrate the structure of neuron.

Or

- (b) Describe the receptors of smell and taste.

20. (a) With suitable diagram, explain the endocrine system of crustacean.

Or

- (b) With suitable diagram describe the endocrine system of insects.
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Reg. No. :

Code No. : 7240

Sub. Code : C 32 Z

M.Sc. (CBCS) DEGREE EXAMINATION,
NOVEMBER 2010.

Third Semester

Zoology

ANIMAL PHYSIOLOGY

(For those who joined in July 2008 and afterwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

1. Balanced diet.
2. Salivary glands.
3. Blood pressure.
4. Erythrocytes.
5. Micturition.

6. Creatine.
7. Neurotransmitters.
8. Intercalary discs.
9. Thyrocalcitonin
10. Isthmus

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

11. (a) Explain the digestion of carbohydrate.

Or

- (b) Comment on the absorption of carbohydrates.

12. (a) Write a short account on cerebral circulation.

Or

- (b) Explain the types of blood cells found in man.

13. (a) Elucidate the physiology of respiratory tract.

Or

- (b) Mention the organs of excretion for different animals.

14. (a) Classify neurons.

Or

- (b) State the functions of synapse.

15. (a) Explain briefly about the organ of Bellonci.

Or

- (b) Explain the functions of adrenaline.

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

16. (a) Write an account on gastro-intestinal hormones.

Or

- (b) Discuss elaborately the metabolism of lipids.

17. (a) Elaborate the functional anatomy of heart.

Or

- (b) What are the circulatory media found in animals?

