



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION - MEDICAL LAB. TECHNOLOGY

THIRD SEMESTER – NOVEMBER 2013

ML 3808 - HUMAN PHYSIOLOGY

Date : 04/11/2013
Time : 9:00 - 12:00

Dept. No.

Max. : 100 Marks

Answer ALL the following:

PART A

10x2= 20 Marks

1. Draw the structure of hair follicle.
2. List down the pair of cranial nerves that are associated with pons.
3. What is adrenogenital syndrome?
4. Where do sympathetic and parasympathetic nerve fibre originate?
5. What are the properties of muscle?
6. Comment on goiter.
7. Define tidal volume and functional residual capacity.
8. Draw a labelled structure of tooth.
9. Mention the types of nephrons present in kidney.
10. What is phaeochromocytoma?

Answer any FOUR of the following:

PART B

4x10= 40 Marks

11. Define absorption and explain the absorption of proteins, carbohydrates and lipids with illustrations.
12. Give an account on cranial nerves.
13. Describe the structure and function of respiratory tract.
14. Describe salivary glands and explain the composition and functions of saliva.
15. Write notes on the synthesis and metabolic disorders of thyroid hormones.
16. Elaborate permanent and temporary birth control methods.

Answer any TWO of the following:

PART C

2x20= 40 Marks

17. Draw the structure of heart and explain the mechanism of blood flow.
18. Describe the actions and abnormalities of anterior pituitary hormones.
19. Elaborate the structure and function of the first part of brain.
20. Draw the structure of nephron and explain the physiology of urine formation.
