



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – MEDICAL LAB TECHNOLOGY

THIRD SEMESTER – APRIL 2016

ML 3808 - HUMAN PHYSIOLOGY

Date: 25-04-2016

Dept. No.

Max. : 100 Marks

Time: 09:00-12:00

Answer ALL the questions

PART A

10 x 2 = 20 Marks

1. What is reflex arc?
2. Draw and label the structure of neuron.
3. Name the lobes that are present in cerebral cortex.
4. What are meninges? Name them.
5. Mention the role played by oxytocin hormones in females.
6. List the epidermal layers of skin.
7. What is Goitre?
8. What is male pattern baldness?
9. Comment on chloride shift.
10. Define tidal volume and total lung capacity.

Answer any FOUR of the following

PART B

4 x 10 = 40 Marks

11. Explain the structure of tooth with suitable diagram.
12. Draw and explain the structure and functions of hair follicle.
13. Describe the composition, functions and abnormalities of saliva.
14. Write short notes on thyroid gland and adrenal gland.
15. Describe the different types of gland of the skin.
16. Give an account on cranial and spinal nerves.

Answer any TWO of the following

PART C

2 x 20 = 40 Marks

17. Draw the structure of nephron and explain the physiology of urine formation.
18. Explain the mechanism of muscle contraction with illustration.
19. Describe the phases of ovarian cycle.
20. Give a detailed account on lymphoid organs.
