LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**M.Sc.** DEGREE EXAMINATION – **MED. LAB TECHNOLOGY**

THIRD SEMESTER – NOVEMBER 2010

# ML 3808 - HUMAN PHYSIOLOGY

Date : 01-11-10 Dept. No. Max. : 100 Marks

Time : 9:00 - 12:00

### PART A

### Answer ALL the questions 10×2= 20 marks

1.What are ‘goose bumps’?

2. Name the four parts of the stomach?

3. What is pulmonary circulation?

4. What is asthma?

5. Define Cushings disease.

6. What are the secretions of the islets of langerhans?

7. What are meninges? Name them.

8. What are the functions of the female reproductive system?

9. Comment on cystic fibrosis.

10. What is Goitre?

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**PART B**

Answer any FOUR of the following 4×10 = 40 marks

11. Describe the glands of the skin.

12. Draw, label and explain the alimentary canal of man.

13. Briefly explain the conduction system of the heart.

14. Write short notes on thyroid gland and adrenal gland.

15. Write briefly on autonomic nervous system.

16. Discuss briefly the different phases of menstrual cycle.

**PART C**

Answer any TWO of the following 2×20 = 40 marks

17. Explain in detail about respiratory volume and capacities.

18. Give an account on the hormones of pituitary gland.

18. Write an essay on structure of muscle and its functions.

20. Explain the different steps in the process of urine formation.

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