



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

M.Sc. DEGREE EXAMINATION – MEDICAL LAB TECHNOLOGY

FIRST SEMESTER – APRIL 2016

ML 1812 - HUMAN ANATOMY AND PHYSIOLOGY

Date: 02-05-2016
Time: 01:00-04:00

Dept. No.

Max. : 100 Marks

PART- A

Answer ALL the questions

(10 × 2=20 Marks)

1. Mention the types of cells present in epidermis.
2. Write a note on the pigmentation of skin.
3. Draw the types of muscle tissue.
4. What are the abnormalities of female sex hormones?
5. List out the symptoms of diabetic mellitus.
6. What are the properties of muscle?
7. Draw the labelled structure of a nerve cell.
8. Differentiate volumes from capacities.
9. Draw the layers of human heart.
10. Name the primary and secondary sex organs of male.

PART- B

Answer any FOUR of the following

(4 × 10 =40 Marks)

11. Give an account on the structural and functional classification of synovial joints.
12. Draw the structure of heart and explain the mechanism of blood flow.
13. Describe the actions of anterior pituitary hormones.
14. Give an account on cranial nerves.
15. Describe the physiology of urine formation.
16. Explain the cavities and planes of human body.

PART C

Answer any TWO of the following

(2 × 20=40 Marks)

17. Describe the classification, structure and functions of epithelial tissue.
18. Give an account on hind brain.
19. Draw and explain the structure of respiratory system.
20. Mention the hormones secreted by thyroid gland and describe the synthesis, actions and abnormalities of thyroid hormones.
