LOYOLA COLLEGE (AUTONOMOUS), CHENNAI - 600 034

(02.55) В.S

B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

THIRD SEMESTER - NOVEMBER 2017

PB 3511 - PLANT ANATOMY

Date: 07-11-2017	Dept. No.	Max. : 100 Marks
Time: 09:00-12:00	•	I

PART - A

 $[10 \times 2 = 20]$

ANSWER THE FOLLOWING, EACH WITHIN 50 WORDS ONLY

- 1. Write about sclereids?
- 2. What are vessels?
- 3. What are open vascular bundles?
- 4. Distinguish between proto and meta xylem.
- 5. What is isobilateral leaf?
- 6. Write about lateral meristem.
- 7. What is periderm?
- 8. What is ray parenchyma?
- 9. What is anamocytic stomata?
- 10. Define cambum?

PART - B

[5 X 7 = 35]

ANSWER THE FOLLOWING, EACH ANSWER WITHIN 500 WORDS, DRAW DIAGRAMS WHEREVER NECESSARY

11a. Describe the structure of primary cell wall.

(OR)

- b. Write an account on secretary cells.
- 12a. Describe the properties of vascular cambium.

(OR)

- b. Give an account on differentiation of leaf.
- 13a. Describe the types of meristem.

(OR)

- b. Differentiate secondary meristem from primary meristem.
- 14a. Describe the secondary growth in normal dicot stem.

(OR)

b. Describe the types of nodes.

