

Roll No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**PARUL UNIVERSITY**  
**PARUL INSTITUTE OF PHARMACY**

**PHARM.D. : FIRST YEAR · FIRST INTERNAL EXAMINATION: 2018-19**

Subject Name: **Biology**  
Subject Code: **08207130**  
Time:

Date: **10/10/18**  
Total Marks: **30**

**Instructions:**

1. Make suitable assumptions wherever necessary.
2. Figures to the right indicate full marks.

**I Long Essay (Answer Any One)**

**10 X 1 = 10M**

1. Explain the morphology and modification of Roots.
2. Write a note on following
  - a. Definition of Leaf
  - b. Difference between Leaf and Leaflets
  - c. Types of Leaf
  - d. Modification of Leaves.

**II Short Essay (Answer Any Two)**

**5 X 2 = 10M**

1. Explain cell inclusion or Ergastic substances of plants.
2. Define the term : Plant Physiology.  
Explain briefly Transpiration and Respiration.
3. Write the definition of Flower, draw figure and explain different parts of Flower.

**III Short Answers (Answer All)**

**2 X 5 = 10M**

1. Write a brief note on Photosynthesis.
2. Write functions of Mitochondria and Ribosomes.
3. Explain briefly about Pollination.
4. Define the following terms:
  - a. Petiole
  - b. Phylloclade
  - c. Sucker
  - d. Hypogynous flower.
5. Give the difference between Monocotyledons and Dicotyledons.

**\*\*\*\*\* BEST OF LUCK \*\*\*\*\***