

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM**  
**(Deemed to be University)**

**Pharm.D DEGREE EXAMINATION - August 2018**  
**First Year**

**REMEDIAL BIOLOGY**

Time: Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. Draw the labeled diagram of plant cell and write the functions of each organelle.
2. Different types of leaves and explain the basic morphology of leaves.
3. Draw the structure of frog heart. Explain the physiology of frog heart.

II. Write short answers on any **SIX** questions: (6 x 5 = 30)

4. Difference between plant and animal cells.
5. Add a note on pollination of flowers.
6. Draw the basic structure of fungi and explain it.
7. Discuss about photosynthesis process in plant.
8. Functions of cell membrane in animal cells.
9. General organization of mammals.
10. Add a note on poisonous animals.
11. Discuss about basic characteristics of plants belongs to Zingiberaceae family with examples.

III. Write short notes on any **FIVE** question: (5 x 2 = 10)

12. Define taxonomy.
13. Give examples for bacteria.
14. Types of flowers.
15. Functions of ribosome in animal cell.
16. Example for connective tissues in animals.
17. Functions of phloem.

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