

**Pharm D. I – Year (Instant) Examination, January 2014****Subject : Biology****Time : 3 hours****Max. Marks : 70**

**Note:** Answer all questions from Part-A. Answer any FIVE questions from Part-B.

**PART – A (10 x 2 = 20 Marks)**

Write in brief about the following :

- 1 Fungi
- 2 Chloroplast
- 3 Collenchyma
- 4 Pisces
- 5 Morphology of seed
- 6 Penicillin
- 7 Air Sacs
- 8 Neuron
- 9 Lymphocyte
- 10 Tadpole

**PART – B (5 x 10 = 50 Marks)**

- 11 a) Describe various elements of xylem.  
b) Describe the structure of mitochondria.
- 12 a) Explain briefly the natural system of classification.  
b) Write a brief note on root modifications.
- 13 a) Describe the structure of T.S. of leaf.  
b) Explain the Head inflorescence.
- 14 a) Give a brief account of pollination mechanisms.  
b) Describe the structure of dicot ovule.
- 15 a) Write about general characters of Rubiaceae.  
b) Write about antibiotics produced by fungi.
- 16 a) Describe the characters of Reptiles.  
b) Describe the structure of reptilian heart.
- 17 a) Write about flight adaptation in birds.  
b) Write about antivenom and its preparation.
- 18 a) Give an account on connective tissue.  
b) Write an account of respiration in frog.

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