

FACULTY OF PHARMACY
Pharm. D (6 YDC) I-Year (Main) Examination, July 2017

Subject : Biology

Time : 3 Hours

Max. Marks: 70

Note: Answer all questions from Part - A and answer any five questions from Part-B.

PART – A (10 x 2 = 20 Marks)

- 1 What is a Bulb?
- 2 Explain Poikilothermy.
- 3 Write about Mitochondria.
- 4 Explain Guttation.
- 5 What are Fungi?
- 6 What is Thallus?
- 7 Explain about monocot seed.
- 8 Write about Leaf.
- 9 What is Schlerenchyma?
- 10 Explain Taproot system.

PART – B (5 x 10 = 50 Marks)

- 11 (a) Explain the natural system of plant classification.
(b) Describe different elements and functions of phloem.
- 12 (a) Write about shoot system and explain the stem modifications.
(b) Describe the cymose inflorescence.
- 13 (a) Describe the anatomy of dicot leaf.
(b) Write about penicillins.
- 14 (a) Write about general characters of leguminosae and list out the economic importance and medicinal uses.
(b) Give an account on floral characters of solanaceae plants.
- 15 (a) Describe the light reactions of photosynthesis.
(b) Write an note on absorption of water and minerals in plants.
- 16 (a) Give a detailed note on typical animal cell.
(b) Write about various types of fruits.
- 17 (a) Describe the respiration in pisces.
(b) Write the salient features of Aves.
- 18 (a) Explain about the circulatory system in frog.
(b) Write in detail about the structural features of frog belonging to class Amphibia.
