

FACULTY OF PHARMACY
Pharm. D (6 YDC) I-Year (Instant) Examination, March 2018

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)

- 1 Ribosome
- 2 Algae
- 3 Legums
- 4 Differences between Animal cell and plant cell
- 5 Placentation
- 6 Root system
- 7 Rhizome
- 8 Guttation
- 9 Metamorphosis
- 10 Venom of snake

PART – B (5 x 10 = 50 Marks)

- 11 (a) Give an account of cell inclusions in plants.
(b) Explain complex tissue system in plants (5+5)
- 12 (a) Write about Bentham and Hooker's classification of plant kingdom.
(b) Write a note on aerial stem modification. (5+5)
- 13 (a) Describe the structure of flower. (3)
(b) Write a note on inflorescence and explain Racemose inflorescence. (7)
- 14 (a) Give an account of TCA cycle.
(b) Discuss the structure of penicillium and give an account of its economic importance. (5+5)
- 15 (a) Describe the anatomy of dicot root.
(b) Write a detailed note on simple fruits. (5+5)
- 16 (a) Describe the economic importance and medicinal values of solanaceae plants.
(b) Give an account on floral character of Liliaceae. (5+5)
- 17 (a) Describe the salient features of skin of frog.
(b) Write a detailed note on respiration in frog. (5+5)
- 18 (a) Write the distinguishing general character of class mammals and write about the subclasses included in this class.
(b) Give the medicinal importance of classes Pisces and Aves. (5+5)
