

FACULTY**B. Pharmacy I Year (Main) Examination, April / May 2016****Subject : Biology****Time : 3 Hrs****Max. Marks: 70*****Note: Answer all questions. All questions carry equal marks.***

- 1 (a) Describe Meiosis with the help of a neat and well labeled diagram. (14)
OR
(b) (i) Illustrate various types of stem modifications with suitable examples. (7)
(ii) Describe morphology and histology of a leaf and draw a neat and well labeled diagram. (7)
- 2 (a) (i) Give the classification of Solanaceae and list the economic importance of its members. (7)
(ii) Give the botanical names and their uses of any three medicinal plants from Leguminosae and Scrophulariaceae. (7)
OR
(b) (i) Describe the vegetative and floral characteristics of Umbelliferae. (7)
(ii) List any six medicinally important plants and their products from Rubiaceae. (7)
- 3 (a) (i) Describe respiration mechanism and its significance in plants. (7)
(ii) Write an essay on transpiration. (7)
OR
(b) (i) Define Hybridization. Comment on its advantages and disadvantages. (7)
(ii) Define Photosynthesis. Explain its significance. (7)
- 4 (a) (i) List the differences and similarities between animal and plant cell. (7)
(ii) Describe the connective tissue and its role in animal kingdom. (7)
OR
(b) (i) What are the hormones secreted by the pancreas? Give brief note on their clinical significance. (7)
(ii) Give the details of histology of Kidney. (7)
- 5 (a) (i) Describe the external morphology of Male and female of Ascaris. (7)
(ii) Mention about the symptoms, pathogenesis and clinical management of Malaria. (7)
OR
(b) (i) Give the details of life cycle of Tapeworm. (7)
(ii) Describe the life history of housefly. (7)
