

FACULTY OF PHARMACY
B. Pharmacy I-Year Main & Backlog) Examination, June 2011
BIOLOGY

Time : Three Hours]

(Maximum Marks : 7i

Note Answer **ALL** questions. All questions carry equal marks.

1. (A) (i) Discuss about the non-living cell inclusions of plant cell. 7
(ii) Discuss mitosis-cell division in plants. 7
OR
(B) (i) Describe and draw the morphology and Histology of fruit. 7
(ii) Discuss about root modification. 7
2. (A) (i) Describe the vegetative, floral diagram and floral formula for umbelliferae. 7
(ii) Furnish the economic and medicinal importance of scrophulariaceae. 7
OR
(B) (i) Discuss the taxonomy of Umbelliferae. 7
(ii) Describe the vegetative and floral characters of Rubiaceae. 7
3. (A) (i) Write the importance of transpiration in plants. 7
(ii) Write about photosynthesis. 7
OR
(B) (i) Describe replication of DNA. 7
(ii) Write a note on Hybridization. 7
4. (A) (i) Describe and draw neat labelled diagram of plant cell and animal cell. 7
(ii) Draw neat labelled diagram of digestive system of frog. 7
OR
(B) (i) Draw the Transfers Section (T.S.) of rabbit liver and explain about it. 7
(ii) Write about cell division. 7
5. (A) Describe the life cycle of plasmodium. 14
OR
(B) (i) Describe the life history of Mosquitoe. 7
(ii) Describe the life cycle of Entamoeba. 7