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FACULTY OF PHARMACY
B. Pharmacy 1 Year (Main) Examination, June 2012
BIOLOGY

Time: 3 Hours]

[Max. Marks: 70

Note : Answer all questions. All questions carry equal marks.

1. A) i) Explain the living inclusions of a plant cell. 10
ii) Write a short note on Phyllotaxy. 4
OR
- B) i) Define modification and describe different aerial and sub-aerial stem modifications with examples. 10
ii) Define Placentation and its types. 4
2. A) i) Give the floral formula, floral diagram and economic importance of Caesalpinieae. 7
ii) Write a note on economic importance of Solanaceae. 7
OR
- B) i) Describe the vegetative and floral characteristics of Rubiaceae. 7
ii) Describe the floral characteristics of Apocyanaceae with its medicinal importance. 7
3. A) i) Explain the process of photosynthesis in plants. 14
OR
- B) i) Write about replication of DNA. 7
ii) Write a note on Hybridization. 7
4. A) i) Discuss the physiology of respiration in frog. 7
ii) Draw a neat labelled diagram of female reproductive system of frog. 7
OR
- B) i) Discuss the histology of Rabbit Pancreas. 7
ii) Draw the structure of animal cell. 7
5. A) i) Describe the life history of housefly. 7
ii) Describe the life cycle of Ascaris. 7
OR
- B) i) Describe the life cycle of Leishmania and the disease caused by it. 7
ii) What is the role of mosquito in the spread of malaria and mention its prevention and therapy ?

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