

Code No. 7206 / M

FACULTY OF PHARMACY**B. Pharmacy I - Year (Main) Examination, June 2014****Subject : Biology****Time : 3 hours****Max. Marks : 70****Note : Answer all questions. All questions carry equal marks.**

- 1 a) i) Describe the plant cell organelles and mention their functions. 7
ii) Describe the internal structure of stem. 7
OR
- b) i) Describe leaf modifications. 6
ii) Describe different types of inflorescence. 8
- 2 a) i) Describe the morphological and floral characteristics of solanaceae. 8
ii) Give the botanical names, medicinally important plant parts of three apocynaceae members. 6
OR
- b) i) Give the classification and medicinal importance of Rubiaceae. 7
ii) Describe the umbel and give a list of important medicinal plants of umbelliferae. 7
- 3 a) i) Give an account of DNA replication. 7
ii) Discuss different types of polyploidy. 7
OR
- b) i) What is mutation? Discuss different types of mutation. 7
ii) Describe glycolysis. 7
- 4 a) i) Discuss the differences between animal and plant cell. 7
ii) Describe the circulatory system of Frog. 7
OR
- b) i) Give an account of animal tissues. 8
ii) Describe the skeletal muscles. 6
- 5 a) i) Describe the life history of Plasmodium. 7
ii) Describe the life cycle of Trypanosoma. 7
OR
- b) i) Describe the life history of Anopheles mosquito. 7
ii) Write about the life history of Leishmania. 7
