

Code No. 6036 / S

FACULTY OF PHARMACY**B. Pharmacy I – Year (Supplementary) Examination, November 2015****Subject: Biology****Time: 3 Hours****Max.Marks: 70****Note: Answer All questions. All questions carry equal marks.**

- 1 a) i) Write an outline of classification of plant kingdom. 7
ii) What is a flower and describe the floral parts. 7
OR
- b) i) Describe modifications of the root. 7
ii) What is inflorescence? Discuss various types of racemose inflorescence. 7
- 2 a) i) Give an account of floral characteristics of apocynaceae and add a note on medicinal importance. 8
ii) Give an account on floral characteristics and economic importance of scrophulariaceae. 6
OR
- b) i) Describe the floral features of leguminosae and add a note on their economic importance. 7
ii) Give an account of the floral characters of solanaceae and mention three medicinally important plants. 7
- 3 a) i) Give an account of the structure of DNA. 7
ii) What is polyploidy and discuss about aneuploidy. 7
OR
- b) i) Describe Krebs's cycle. 7
ii) Write an account on methods of absorption in plants. 7
- 4 a) Give a detailed account of reduction division. 14
OR
- b) i) Give an account on endocrine glands of rabbit. 8
ii) Describe the histology of liver. 6
- 5 a) i) Give an account on tapeworm. 7
ii) Give a detailed account on *Trypanosoma*. 7
OR
- b) i) Discuss the role of mosquitos in causing diseases in humans. 7
ii) Describe the life history of *Anchylostoma*. 7
